
Connectivity Test Guideline For Upcoming NACCS Upgrade in Oct. 2025 (Service Provider Edition)

Date of publication; Sep. 2024

Nippon Automated Cargo and Port Consolidated System, Inc.

Index

1. OUTLINE OF CONNECTIVITY TEST.....	5
1.1 Purpose	5
1.2 Processing Mode	5
1.3 Outline	5
(1) Phase 0.....	5
(2) Phase 1.....	5
(3) Phase 2.....	5
1.4 Schedule	6
1.5 Implementation Period.....	7
1.6 Remarks on Connectivity Test	7
1.7 Costs and Fees of Connectivity Test.....	7
1.7.1 System Usage Fee	7
1.7.2 Initial Cost for Installing Access Line and Access Line Fee.....	7
(1) New Access Line (to be connected only with 7 th generation NACCS)	7
(2) Modification for Existing Access Line (including speed increase)	8
(3) No Modification for Existing Access Line	8
1.8 Usage of 7th Generation NACCS Network.....	8
1.8.1 Access Line Fee Chart.....	8
1.8.2 Application for Access Line and Option Menu	10
(1) Install New Access Line connected only with 7 th Generation NACCS	10
(2) Modification for Existing Access Line	10
(3) Continually Use Existing Access Line.....	10
1.9 How to Apply for Connectivity Test.....	13
(1) The Way of Application.....	13
(2) Date of Test Implementation.....	13
1.10 Inquiry about Test	15
(1) Inquiry about Test Application.....	15
(2) Inquiry about Test Implementation	15
(3) Contents of Inquiry E-mail.....	15
2. CONNECTIVITY TEST (PHASE 0).....	17
2.1 Preparations (Phase 0)	17
(1) Purpose (Phase 0).....	17
(2) Necessary Device (Phase 0).....	17
(3) Configuration Information Provided by NACCS Center (Phase 0)	17
2.2 Implementation Details (Phase 0)	18
(1) Conditions for Completion (Phase 0).....	18
(2) Implementation Processes (Phase 0).....	18
(3) Handling in case of Errors (Phase 0)	18
3. CONNECTIVITY TEST (PHASE 1).....	19
3.1 Preparations (Phase 1)	19
3.1.1 Purpose (Phase 1).....	19
3.1.2 Necessary Device (Phase 1).....	19
3.1.3 Configuration Information Provided by NACCS Center (Phase 1)	19
(1) E-mail Style Processing Mode (SMTP/POP3).....	19
(2) Interactive Processing Mode (SMTP two-way)	20
3.2 Implementation Details (Phase 1)	21
3.2.1 Conditions for Completion (Phase 1).....	21
3.2.2 Implementation Processes (Phase 1)	21
(1) E-mail Style Processing Mode (SMTP/POP3).....	21
(2) Interactive Processing Mode (SMTP two-way)	29
3.2.3 Handling in case of Errors (Phase 1).....	33
(1) E-mail Style Processing Mode (SMTP/POP3).....	33
(2) Interactive Processing Mode (SMTP two-way)	33
4. CONNECTIVITY TEST (PHASE 2).....	35
4.1 Preparations (Phase 2)	35
4.1.1 Purpose (Phase 2).....	35
4.1.2 Necessary Device (Phase 2).....	35

4.1.3 Configuration Information Provided by NACCS Center (Phase 2)	35
(1) E-mail Style Processing Mode (SMTP/POP3).....	36
(2) Interactive Processing Mode (SMTP two-way)	37
4.1.4 NACCS Procedure Related Code Not Menioned in 4.1.3. (Phase 2)	38
4.1.5 Restrictions (Phase 2).....	38
4.2 Implementation Details (Phase 2)	39
4.2.1 Conditions for Completion (Phase 2).....	39
4.2.2 Implementation Processes (Phase 2)	40
(1) E-mail Style Processing Mode (SMTP/POP3).....	41
(2) Interactive Processing Mode (SMTP two-way)	42
4.2.3 Handling in case of Errors (Phase 2)	42

1. Outline of Connectivity Test

1.1 Purpose

This is a guideline for Connectivity Test between Nippon Automated Cargo and Port Consolidated System (hereafter “NACCS”) server (test environment) and each Service Provider (hereafter “SP”) system. Connectivity Test aims at confirming whether each SP can successfully do 3 phases test based on NACCS EDI Specification and Procedure Specifications for 7th generation NACCS. Implementation of Connectivity Test is mandatory for accessing 7th generation NACCS.

All subsequent date and time information is based on Japan Standard Time (JST).

1.2 Processing Mode

Processing mode for the test are as follows;

- E-mail Style Processing Mode (SMTP／POP3)
- Interactive Processing Mode (SMTP two-way)

1.3 Outline

Connectivity Test can be divided into 3 phases, and each phase has different purpose. The followings are outline of Connectivity Test in each phase.

(1) Phase 0

Purpose	Continuity check in ICMP
Contents	After connecting NACCS connection router with SP system, you will check reachability from SP system to specified addresses in NACCS by “ping”.
Duration	From 17 Dec. 2024 (Tue) to 30 Apr. 2025 (Wed)

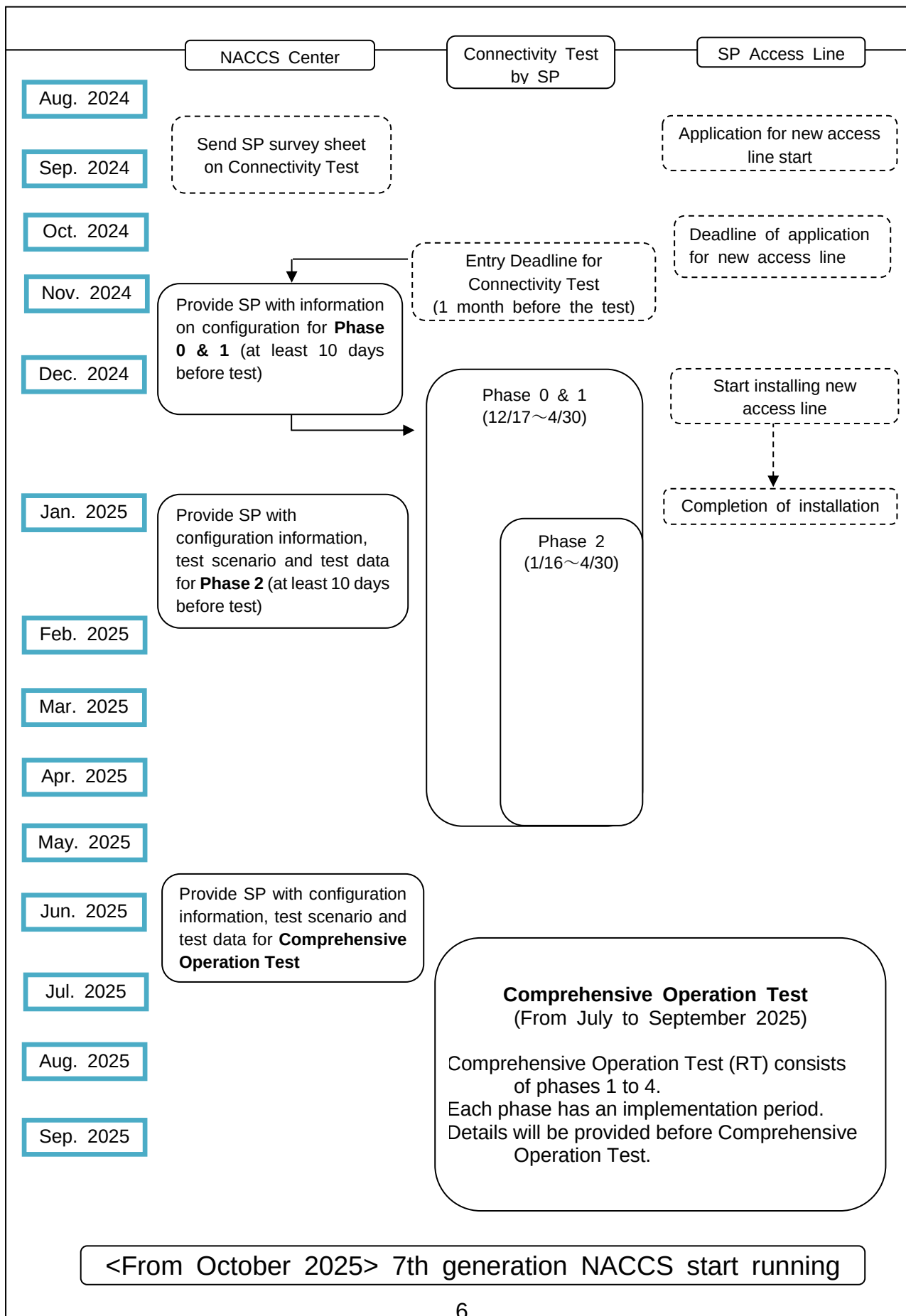
(2) Phase 1

Purpose	NACCS EDI message continuity test (Returning from main processor)
Contents	By using “Terminal Connectivity Confirmation (TCC)” procedure, you will check if SP system can receive Processing Result Message from NACCS server (test environment) without any errors. * Please refer to “NACCS EDI Specifications” and “TCC Procedure Specification” for 7th generation NACCS, for details on Processing Mode and Input / Output Common Fields etc.
Duration	From 17 Dec. 2024 (Tue) to 30 Apr. 2025 (Wed)

(3) Phase 2

Purpose	Procedure processing test
Contents	By using test data specified by NACCS Center or own data for the test, SP system will send Processing Request Message of specific procedures for the test to NACCS server (test environment). After processing of the data inside NACCS server, you will check if SP system can successfully receive Processing Result Message from NACCS server. * Please refer to “NACCS EDI Specifications” and “Procedure Specifications” for 7th generation NACCS, for details on Processing Mode and Input / Output Common Fields etc.
Duration	From 16 Jan. 2025 (Thu) to 30 Apr. 2025 (Wed)

1.4 Schedule



1.5 Implementation Period

Implementation period of Connectivity Test is as follows. After receiving your application for the test, we will inform you of your actual available date for the test.

【Implementation period for each pahse】

Phase	From	To	Limitation
0 th phase	17 Dec. 2024 (Tue) 10:00 a.m. (JST)	30 Apr. 2025 (Wed) 5:00 p.m. (JST)	
1 st phase	17 Dec. 2024 (Tue) 10:00 a.m. (JST)	30 Apr. 2025 (Wed) 5:00 p.m. (JST)	12/17~1/14; - 1/16~; In principle, 2 weeks at most
2 nd phase	16 Jan. 2025 (Thu) 10:00 a.m. (JST)	30 Apr. 2025 (Wed) 5:00 p.m. (JST)	In principle, 2 weeks at most

(Note 1) Connectivity Test can not be done in the following date due to initialization of test environment.

1/6(Mon), 1/15(Wed), 1/27(Mon), 2/12(Wed), 2/25(Tue), 3/11(Tue), 3/24(Mon), 4/7(Mon), and 4/21(Mon)

(Note 2) We might make additional date not available for test as needed. We will inform you of such date in advance (in principle) by E-mail.

(Note 3) Even Saturday, Sunday, national holidays and night time in Japan are available for the test.

(Note 4) In the first and second phases, the maximum possible testing period for each business unit is basically two weeks.

1.6 Remarks on Connectivity Test

(1) We will provide you with “2 dummy Reporter IDs and passwords” for the 3rd phase. One is for filing Master B/L and the other is for filing House B/L.

Besides, we will give you “1 Carrier Code (dummy)”, “1 Vessel Code (dummy)” and “1 NVOCC Code for House B/L (dummy)” for each SP.

(2) We do not take measure to restore test environment. Therefore in case there occurred system errors in test environment, test data may disappear.

(3) Data SP registered to test environment and test data will be initialized at initialization date of test environment.

(4) Test can be implemented only in the date informed by us. In other date, system maintenance or test by others are done.

(5) Please do not connect to the connection test environment outside of the connection test date and time, as the system is undergoing maintenance or connection tests are being conducted by other users.

(* When you happen to do tests in such date, we do not guarantee the test result. Further, such test might directly affect others' tests.)

1.7 Costs and Fees of Connectivity Test

1.7.1 System Usage Fee

During Connectivity Test, system usage fee of 7th generation NACCS is free of charge.

1.7.2 Initial Cost for Installing Access Line and Access Line Fee

(1) New Access Line

(i) Unlike the 6th NACCS upgrade, there are no lines that can only be connected to the 7th NACCS. (Only current lines that can be used for both the 6th NACCS and the 7th NACCS will be available.)

(ii) Network subscription fee (including initial installation fee) is to be borne by SP. These fees will be billed in the same way as for the current line, since the current line will be installed.

(2) Modification for Existing Access Line (including speed increase)

Access line modification fee (as it cost) and access line fee will be billed to you together with access line fee charge in current operation.

(3) No Modification for Existing Access Line

Continually pay current access line fee.

【Remarks】

(i) When you quit using new access line (including type change of access line) during free of charge period and minimum usage period, we will charge you its router removal cost etc. and its usage fee for the resting minimum usage period.

(ii) Minimum usage period

- Dedicated line (0.5Mbps, 1Mbps, 3Mbps, 5Mbps and 10Mbps); 1year from the installation
- Broadband line; 1year from the installation

1.8 Usage of 7th Generation NACCS Network

1.8.1 Access Line Fee Chart

Access line fee chart for 7th generation NACCS is as written in the next page.

<Access line fee chart for 7th generation NACCS>

1. Dedicated Line

Type	Fee
For Dedicated Line	
○ Access Line Initial Cost (per line)	
NACCS network entry fee (*1)	
0.5Mbps Cold Stand-by Router	×
	○
1Mbps Cold Stand-by Router	×
1Mbps (and more) Redundancy Line	○
○ Access Line Fee etc.(per line)	
Monthly Access Line Fee	
0.5Mbps	26,000
1Mbps	31,800
Redundancy Line (Fiber Optic)	50,700
3Mbps	51,000
Redundancy Line (Fiber Optic)	69,900
5Mbps	61,000
Redundancy Line (Fiber Optic)	79,900
10Mbps	81,000
Redundancy Line (Fiber Optic)	99,900
Monthly Wiring Usage fee (Only for those using Redundancy Line)(per line)	1,000
Monthly Router Rental Fee (*2)	
0.5Mbps w/Week Day Support (9AM to 6PM JST)	5,200
24H365D Support	5,800
24H365D Support + "Cold Stand-by Router"	11,600
1 Mbps w/Week Day Support (9AM to 6PM JST)	5,200
24H365D Support	5,800
24H365D Support + "Cold Stand-by Router"	11,600
24H365D Support + "Redundancy Line"	21,000
Monthly Ping Monitoring Fee (per Line)(*3)	2,000
Line Installation fee (Relocation/change etc.)	It depends on contents of installation.

(Remark)

Price in the chart is estimated price. It might be reviewed afterwards.

(Notes)

- 1 NACCS network entry fee includes Router installation cost.
- 2 Router Rental Fee includes maintenance cost of the Router.
- 3 Ping monitoring is provided free of charge for redundancy. The redundancy will be configured with a 1-10 Mbps leased line selected for the main and a broadband connection (optical fiber connection) for the back.
- 4 Broadband connection (optical fiber connection) is 100Mbps best effort. Therefore, there is no guarantee of transmission speed, nor is there any guarantee of failure or interruption due to construction work on NTT's side. This line is a dedicated access line to connect to the NACCS network. This line is a dedicated access line to connect to the NACCS network and cannot be used for Internet connection.

2. Broadband Line

Type	Fee
For Broadband Line*4	
○ Access Line Initial Cost (per line)	
NACCS network entry fee (*1)	
Fiber Optic Cold Stand-by Router	×
	○
○ Access Line Change etc.	
Monthly Access Line Fee	
Fiber Optic w/Week Day Support (9AM to 6PM JST)	13,400
24H365D Support	19,900
Monthly Wiring Usage fee	
Fiber Optic	1,000
Monthly Router Rental Fee (*2)	
Fiber Optic w/Week Day Support (9AM to 6PM JST)	5,200
24H365D Support	5,800
24H365D Support + "Cold Stand-by Router"	11,600
Line Installation fee (Relocation/change etc.)	It depends on contents of installation.

1.8.2 Application for Access Line and Option Menu

Regardless of your choice about access line, please send **Annex 1 “Service Provider Survey Sheet”** to our E-mail address <afr-k@naccs.jp> before the end of Sep. 2024.

(Note) The survey sheet also includes inquiries on your preparations for Connectivity Test. For your choice about access line, please give your consideration to the point that you must not affect production environment for doing Connectivity Test.

(1) Install New Access Line connected

Please submit the above mentioned survey sheet to us by the due. Please note that if you do not make application by the due, installation may not be completed before implementation period of Connectivity Test ends.

* Option menu regarding new access line

For those who applied for 24H365D Support, Redundancy Line or Cold Stand-by Router together with new access line, these options will be provided at the same timing of access line installation.

(2) Modification for Existing Access Line

Please submit the survey sheet to us by the due.

(3) Continually Use Existing Access Line

Also in this case, please submit the survey sheet to us by the due.

SERVICE PROVIDER SURVEY SHEET			
Date of Submission	/		
	Year	Month	Day
Service Provider			
0. Basic Inquiry (Preparation for Connectivity Test) (1) Have you developed or will you develop "Test Environment" for implementation of Connectivity Test. ☐ Yes → Please proceed to questionnaire 1. ☐ No → Please answer the following question (2). (2) What kind of measures do you have so as not to affect production environment? _____			
1. Your intention on access lin (1) ☐ New; Install New Access Line connected only with 7th Generation NACCS. → Please proceed to questionnaire 2. (2) ☐ Modification; Contract modification for changing access speed or adding new option on Existing Access Line. → Please proceed to questionnaire 2. (3) ☐ No modification; Continually Use Existing Access Line. → No need to fill out the following items.			
2. Applicant information			
1	Business Address		
2	Office Phone Number	+	-
3	Applicant (contact person)	Department & Title	
	Phone number	E-mail Address	
3. Information on new access line installation			
4	Server Installation Location		
5	Start Date of Installation	Date of Installation	(To be coordinated)
6	Contact Person for Access Line Installation (Japanese Speaking Person)	Department	
		Contact Phone Number	
		FAX Number	
		E-mail Address	
7	Witness of Line Construction	☐ Same as Contact Person ☐ Other (Please fill out the following fields.)	
		Department	
		Phone Number	
		FAX Number	

4. Details on application				
(i) Access line				
8	Treatment of existing access line	☐ Continually use ☐ Abolish after NACCS upgrade ☐ Abolish before NACCS upgrade		
9	Processing Mode	☐ E-mail Style Processing Mode ☐ SMTP Two-Way Mode		
10	Type of Access Line	Dedicated Line	Access Speed	☐ 0.5Mbps ☐ 1Mbps ☐ 3Mbps ☐ 5Mbps ☐ 10Mbps
			Domestic Wiring	☐ by NACCS Center (operated by NTT-PC) ☐ by Yourself (Wiring and Maintenance)
		Broadband Line	Type	☐ Fiber Optic
			Domestic Wiring	☐ by NACCS Center (operated by NTT-PC) ☐ by Yourself (Wiring and Maintenance)
(ii) Option menu				
11	24H365D Support	☐ I do not apply. (Only day time support from 9:00 a.m. to 6:00 p.m.) ☐ Apply (*)		
* Only for those who apply for "24H365D Support" can apply for the following 3 options;				
12	Redundancy Line	☐ I do not apply. ☐ Apply (Only for dedicated line 1 Mbps and more)		
13	Cold stand-by Router	☐ I do not apply. ☐ Apply		
14	Ping Monitoring	☐ I do not apply. ☐ Apply (Only for dedicated line 1 Mbps and more)		
(iii) The number of New Server				
15	SMTP/POP3			
	SMTP two-way			
(iv) Remarks				

1.9 How to Applicate for Connectivity Test

(1) The Way of Application

Please fill out **Annex 2 “Application Form for Connectivity Test”** and send it to <afr-k@nacccs.jp> at least 1 month before the date when you want to implement Connectivity Test. We will send you configuration information by E-mail.

(2) Date of Test Implementation

Basically, we will decide test date based on your request and inform you. However, we might ask you to change the date for test due to application status.

Besides, because prior setting for test environment is needed, we might set the start date of phase 0 & 1 as one of the followings;

12/17(Tue), 1/7(Tue), 1/16(Thu), 1/28(Tue), 2/13(Thu), 2/26(Wed), 3/12(Wed), 3/25(Thu),
4/8(Tue) and 4/22(Tue)

After receiving your application, we will inform you of your actual available date for the test ASAP, and no later than the timing when we send you configuration information for phase 0 & 1.

Annex 2_Application Form for Connectivity Test [Sample]

Application Form for Connectivity Test		
1	Application Date	
2	Service Provider Company Name	
3	SP code (5+3 digit)	
4	Contact person for Connectivity Test	Name : TEL : E-MAIL :
5	Processing Mode	☐ E-mail Style Processing Mode (SMTP/POP3) ☐ Interactive Processing Mode (SMTP two-way)
6	Server IP address	
7	The date when you want to implement Connectivity Test	Phase 0 : Phase 1 : Phase 2 :
8	Procedure Code for Test <i>*Implementation of the test for all AFR procedures is mandatory.</i>	AMR, CMR, AHR, CHR, ATD, IML, BLL, CMV, IRI
9	Any concerns	

Items to be included in Application Form

All SP must fill out the form and send to <afr-k@naccs.jp> 1 month before the date when you want to implement the test.

- Application Date : YYYY/MM/DD
- Service Provider Company Name : your company name.
- SP code : 5+3 digit SP code.
- Contact person for Connectivity Test : fill out contact person information correctly. Please note that we will send configuration information to the e-mail address written here.
- Processing Mode : your processing mode.
- Server IP address : IP address for each processing mode.
- The date when you want to implement Connectivity Test : your preferred date for the test in each phase.
 Phase 0 : YYYY/MM/DD ~ YYYY/MM/DD
 Phase 1 : YYYY/MM/DD ~ YYYY/MM/DD
 Phase 2 : YYYY/MM/DD ~ YYYY/MM/DD (In principle, 2 weeks at most.)
** Please refrain from including "Initialization date" of test environment.*
- Procedure Code for Test : All work contracted with NACCS will need to be tested.
- Any concerns : space to write any concerns freely.

1.10 Inquiry about Test

(1) Inquiry about Test Application

Please send E-mail to <afr-k@naccs.jp>.

(2) Inquiry about Test Implementation

In case you can not achieve normal termination even though you have made reaction according to after-mentioned "2.2(3)", "3.2.3" and "4.2.3", please inquire us in the following manner.

(i) How to Inquire

So as to enable us to comprehend details of inquiries, please fill out **Annex 3 "Inquiry Sheet"** and send it to <afr-k@naccs.jp>. E-mail should include information mentioned in below (3).

(ii) Contact E-mail Address & Business Hour

Inquiry E-mail address	Business hour
afr-k@naccs.jp	Monday ~ Friday (9:30 a.m. ~ 5:00 p.m.) (JST) (Excluding national holidays and 12/29 ~ 1/3.)

(Note 1) Regarding inquiries at night time (from 5:00 p.m. to the next business day 9:30 a.m.), we make responses on and after the next business day. Even though inquiries have been done during day time, responses for some difficult issues might be on and after the next business day.

(Note 2) Investigation of test data registered before initialization date is not possible.

(3) Contents of Inquiry E-mail

Title and body of inquiry E-mail should be as follows;

- Title; 【Connectivity Test for 7th Generation NACCS; SP name】 outline of inquiry

For example; 【Connectivity Test for 7th Generation NACCS; SP name】 BLL procedure, XXXX error

- Body; (i) Date and time of error (Message transmitted/received YYYYMMDDHHMMSS)

(ii) SP code (5+3 digit)

(iii) Procedure Code

(iv) Error Code

(v) B/L number and other information

(vi) Transmitted message log (*)

* Message from SP system to NACCS server / Message from NACCS server to SP system.

Annex 3_Inquiry Sheet [Sample]

Accept No.	(We fill in this field.)	Submission date	16 Jan. 2025
SP name	XXX	SP code	XXXXXXXX
Company address	XXX		
Contact person	XXX	(Occupation)	XXX
Contact e-mail address	XXX@XXX		
IP address	10.XXX.XXX.123		
Processing Mode	Interactive Processing Mode / E-mail Style Processing Mode		
Content of Inquiry	Title	BLL procedure, XXXXX error	
	Procedure Code	BLL	Error Code / Process Result Code XXXXX
	Date and Time (hh:mm:ss)	YYMMDDHHMMSS	Name of attached file PESXX_BLL_Message_20250110144457.txt
	BLL procedure did not work well, and I received error code "XXXXX".		
Response			

2. Connectivity Test (Phase 0)

2.1 Preparations (Phase 0)

(1) Purpose (Phase 0)

The purpose of this phase is to confirm configuration for connecting to NACCS network and reachability to ping point in NACCS.

- “ping”;

Program to analyze TCP/IP network of internet and intranet. By specifying IP address of a computer to which you want to check connectivity, 32 bytes or so data will be sent to the computer by ICMP so as to check if response returns from the computer. When there is a response, also analyze the network by checking response time.

- “ICMP”;

Protocol to transfer IP error message or control message. Among computers and network devices connected with TCP/IP, ICMP is used for checking each status. Ping, network analysis program, use ICMP.

(2) Necessary Device (Phase 0)

Each SP has to prepare the following devices;

No.	Device	Description
1	NACCS connection router	NACCS Center will provide you based on your application. (Only for those SP who will make modification for access line.)
2	Access line	
3	Connection cable	SP needs to prepare for connection cable between NACCS Connection Router and SP system. GW(SMTP/POP3 or SMTP two-way)10BASE-T/100BASE-TX/1000BASE-T

(3) Configuration Information provided by NACCS Center (Phase 0)

Based on the application for Connectivity Test, we basically will provide you with the following configuration information no later than 10 days before test implementation.

No.	Item	Purpose of Use
1	IP address of NACCS connection router	Production
2	IP address of SP system	
3	Subnet mask	
4	IP address of “ping” point	

(Note) “Purpose of Use” in the above chart implies the environment to which configuration information is used.

(i) “Test” means that the configuration information will be used solely for Connectivity Test. Please note that it can not be used for Comprehensive Operation Test. (We will inform you of configuration information for Comprehensive Operation Test separately.)

(ii) “Production” means that configuration information will be used not only for Connectivity Test but also for actual operation in 7th generation NACCS.

2.2 Implementation Details (Phase 0)

(1) Conditions for Completion (Phase 0)

In the 0st phase, please do ping command. This phase is completed when you have gone through the following steps.

- ① Connect NACCS Connection Router with SP system.
- ② SP system will send ping to the ping point in NACCS.
- ③ SP system will receive response message.

For more details, please refer to the following (2).

(2) Implementation Processes (Phase 0)

(i) Ping packet sending

Please send ping packet from SP system to the specified address in NACCS (above mentioned configuration information No.4).

Set arbitrary number to “the number of packet sending/receiving (the number of trial)”, and default values should be used for any other parameters.

Command options differ from OS (operation system) to OS (note 1).

(ii) Ping packet receiving

After implementing “ping packet sending” shown above, ping packet will be returned. Please confirm that no ping lost has occurred.

(Note 1) Ping command according to OS.

For your reference, ping command usage in Windows and Linux are shown blow. Please send ping command according to your OS.

(Example 1) When SP system's OS is Windows;

(i) Packets sending (The default number of sending is “4”.)

ping [IP address]

(ii) Packets receiving

Ping statistics for xxx.xxx.xxx.xxx (note 2):

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

(Note 2) “xxx.xxx.xxx.xxx” is IP address specified in (i).

(Example 2) When SP system's OS is Linux;

(i) Packets sending (The number of sending needs to be specified. 4 times in this example.)

ping -c4 [IP address]

(ii) Packets receiving

--- localhost.localdomain (note 3) ping statistics ---

4 packets transmitted, 4 received, 0% packet loss, time xxxx (note 4) ms

(Note 3) “localhost.localdomain” is IP address specified in (i).

(Note 4) “xxxx” is the maximum round trip time of ping packets.

(3) Handling in case of Errors (Phase 0)

[Check points]

(i) Whether “ping” is allowed in local network.

(ii) IP address, subnet mask and default gateway settings.

* In case errors can not be solved even though you have confirmed all of above, please make inquiry to <afr-k@naccs.jp> with annex 3 “Inquiry Sheet”.

3. Connectivity Test (Phase 1)

3.1 Preparations (Phase 1)

3.1.1 Purpose (Phase 1)

Checking whether message exchange between SP system and NACCS server (test environment), based on “NACCS EDI specifications” and “Procedure specifications” for 7th generation NACCS, can be done correctly.

3.1.2 Necessary Device (Phase 1)

Please continually use the same devices which you have already installed in phase 1. For details on message format, please refer to “NACCS EDI specifications” and “Procedure specifications” for 7th generation NACCS. < <https://bbs.naccscenter.com/naccs/dfw/web/afr/afr7th.html> >

3.1.3 Configuration Information Provided by NACCS Center (Phase 1)

Based on the application for Connectivity Test, we will provide you with the following configuration information no later than 10 days before test implementation date of phase 0. Please note that each processing mode has different configuration information.

(1) E-mail Style Processing Mode (SMTP/POP3)

No.	Item	Purpose of Use (Note 1)	Remarks (Note 2)
1	IP address of NACCS connection router	Production	For phase 0
2	IP address of SP system	Production	For phase 0
3	Subnet mask	Production	For phase 0
4	IP address of “ping” point	Production	For phase 0
5	IP address of DNS server in NACCS network	Production	
6	Mail address of NACCS	Test	
7	Mail address of SP	Test	
8	Mail box ID of SP (local part)	Production	
9	Mail box password of SP (dummy password)	Test	
10	SP code (5+3 digit)	Production	
11	Password for SP code (dummy password)	Test	

(Note 1) “Purpose of Use” in the above chart stands for the environment to which configuration information is used.

(i) “Test” means that the configuration information will be used solely for Connectivity Test. Please note that it can not be used for Comprehensive Operation Test. (We will inform you of configuration information for Comprehensive Operation Test separately.)

(ii) “Production” means that the configuration information will be used not only for Connectivity Test but also for actual operation in 7th generation NACCS.

(Note 2) Gray out area in the chart has been used in phase 0.

When the setting of above mentioned items is completed, please proceed to 3.2.

(2) Interactive Processing Mode (SMTP two-way)

No.	Item	Purpose of Use (Note 1)	Remarks (Note 2)
1	IP address of NACCS connection router	Production	For phase 0
2	IP address of SP system	Production	For phase 0
3	Subnet mask	Production	For phase 0
4	IP address of “ping” point	Production	For phase 0
5	IP address of DNS server in NACCS network	Production	
6	Mail address of NACCS	Test	
7	Mail address of SP	Test	
8	Logical terminal computer name	Test	
9	SP code (5+3 digit)	Production	
10	Password for SP code (dummy password)	Test	

(Note 1) “Purpose of Use” in the above chart stands for the environment to which configuration information is used.

(i) “Test” means that the configuration information will be used solely for Connectivity Test. Please note that it can not be used for Comprehensive Operation Test. (We will inform you of configuration information for Comprehensive Operation Test separately.)

(ii) “Production” means that the configuration information will be used not only for Connectivity Test but also for actual operation in 7th generation NACCS.

(Note 2) Gray out area in the chart has been used in phase 0.

When the setting of above mentioned items is completed, please proceed to 3.2.

3.2 Implementation Details (Phase 1)

3.2.1 Conditions for Completion (Phase 1)

In the 1ST phase, please do “Terminal Connectivity Confirmation (TCC)” procedure. This phase is completed when the following requirement is satisfied.

[Requirement]

Contents of “Input Field 1” and “Input Field 2” of Processing Request Message are same as the contents of “Output Field 1” and “Output Field 2” of Process Result Message.

3.2.2 Implementation Processes (Phase 1)

Please send Processing Request Message in NACCS EDI message format to NACCS server (test environment), get Processing Result Message, and confirm whether the above mentioned requirement in 3.2.1 is satisfied.

Please refer to the following pages according to your Processing Mode, because each Processing Mode has different implementation processes.

- E-mail Style Processing Mode (SMTP／POP3)..... 3.2.2(1)
- Interactive Processing Mode (SMTP two-way) 3.2.2(2)

(1) E-mail Style Processing Mode (SMTP／POP3)

When you implement TCC procedure with E-mail Style Processing Mode (SMTP／POP3), please conduct the following steps.

① Make Processing Request Message

For Processing Request Message, correct SMTP header, SMTP trailer and NACCS EDI message are required.

Setting details of SMTP header, SMTP trailer and NACCS EDI message are shown in “Contents of Processing Request Message (SMTP header and SMTP trailer)” and “Contents of Processing Request Message (NACCS EDI message)” in the following pages.

Please set arbitrary values in “Input Field 1” and “Input Field 2” following the setting details.

② TCC procedure implementation

Please send the message you made as Processing Request Message of TCC to NACCS server (test environment). After processing in NACCS server, Processing Result Message will be stored in mail box.

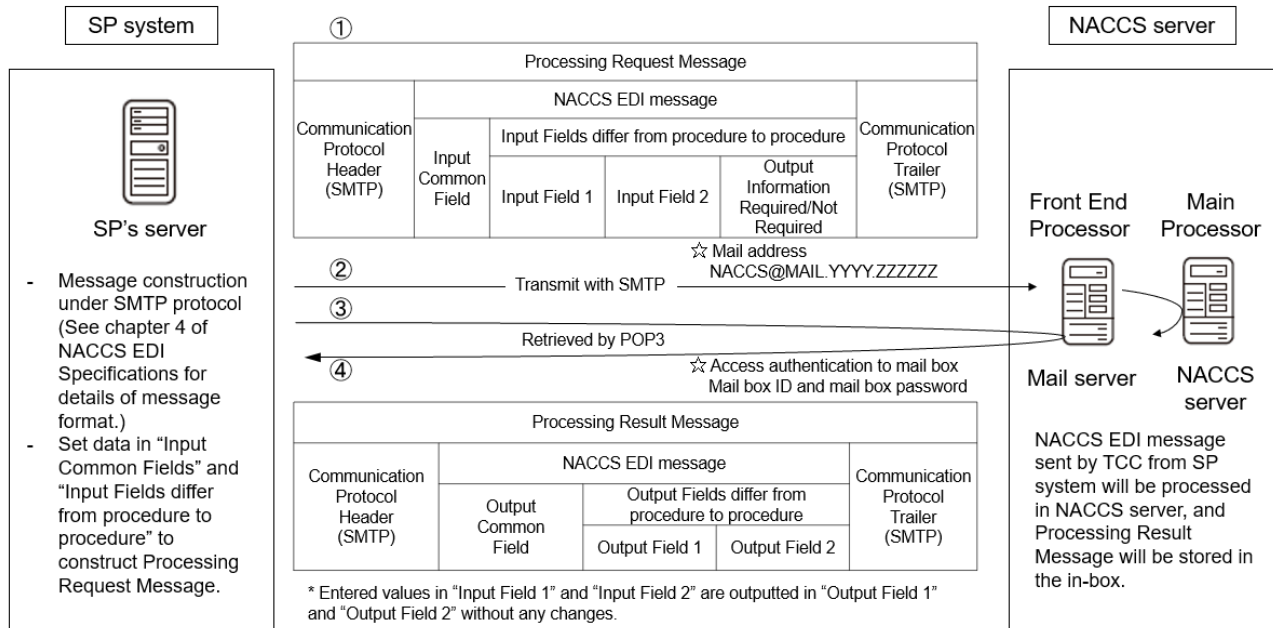
③ Get Processing Result Message

Please retrieve Processing Result Message of TCC from mail box with mail box ID and mail box password informed by NACCS Center.

④ Confirm Processing Result Message

Please confirm whether contents of “Output Field 1” and “Output Field 2” of retrieved Process Result Message are same as the contents of “Input Field 1” and “Input Field 2” of Processing Request Message made in step ①.

<Diagram for above mentioned TCC procedure>



(Note 1) A command sequence of E-mail Style Processing Mode is shown in Chapter 4 of NACCS EDI Specifications.

(Note 2) Actual values of SMTP header, SMTP trailer and NACCS EDI message are shown in the following pages.

(i) Contents of Processing Request Message (SMTP header and SMTP trailer)

SMTP header and SMTP trailer of Processing Request Message, sent from SP system to NACCS server (test environment), should be set as follows;

Item	Contents		
SMTP header	No.	Field	Values to be set by SP
	1	From	Set "Mail Address of SP" provided by NACCS Center. (Example; AAAAAA001@MAIL.ABC01.YYYYYY) Empty in this field causes error.
	2	To	Set "Mail Address of NACCS". (Value; NACCS@MAIL.YYYY.ZZZZZZ)
	3	MIME-version	Set "1.0" for NACCS.
	4	Content-Type	Set Text/plain;charset="EUC-JP"
	5	Content-Transfer-Encoding	Set "8 bit" for EUC characters in NACCS.
NACCS EDI message	See "(ii) Contents of Processing Request Message (NACCS EDI message)" in the following pages.		
SMTP trailer (Note)	Set "." (period) and "CRLF".		

(Note) "<CRLF>. <CRLF>" means the end of the whole message in SMTP. "<CRLF>" of the end of NACCS EDI message and ". <CRLF>" of SMTP trailer become "<CRLF>. <CRLF>". Please note that setting whole of "<CRLF>. <CRLF>" in SMTP trailer makes an error of message length.

(ii) Contents of Processing Request Message (NACCS EDI message)

Contents of Processing Request Message from SP system to NACCS server (test environment) should be set as shown in this table;

No.	Field	Length and attribute	Contents
1	Input Common Fields (Note 1)	an398	—
	Processing Control Information	3	Set spaces.
	Procedure Code (Note 3)	5	TCC△△
	(Reserved area)	21	Set spaces.
	User Code	5	SP code (First 5 digit)
	User ID	3	SP code (Last 3 digit)
	User Password (Note 3) (Note 4)	8	SP password
	(Reserved area)	174	Set spaces.
	Message Tag	26	Assign a unique value.
	(Reserved area)	8	Set spaces.
	Input Message ID (Note 5)	10	Set a 10 digit arbitrary value.
	Index Tag	100	Set spaces.
	(Reserved area)	1	Set spaces.
	System Identifier	1	Set “2”.
	(Reserved area)	27	Set spaces.
	Message Length	6	000507
	Delimiter	an2	CRLF
2	Input Field 1 (Note 6)	an50	Set a 50 digit arbitrary value.
	Delimiter	an2	CRLF
3	Input Field 2 (Note 6)	an50	Set a 50 digit arbitrary value.
	Delimiter	an2	CRLF
4	Print Output Information Required/Not Required	an1	Set “Y” for printing Output Information.
	Delimiter	an2	CRLF

(Note 1) “an” in “Length and attribute” column denotes single byte numbers and single byte capital alphabets.

(Note 2) NACCS checks the user code and identification number, and if the destination of the response message cannot be identified, the message is discarded. If the destination of the response message cannot be identified, the message is discarded.

(Note 3) “△” denotes single byte space. Please note that for phase 1, this field should be filled with each procedure code implemented for the test.

(Note 4) SP password for the test is to be indicated by NACCS Center.

(Note 5) After NACCS upgrade in Oct. 2025, SP password will be limited to the ones which satisfy conditions specified in URY (User Information Registration) procedure specification.

(Note 6) An arbitrary value set in “Input Message ID” will be set in “Input message ID” of Processing Result Message.

(Note 7) Arbitrary values set in “Input Field 1” and “Input Field 2” will be outputted in “Output Field 1” and “Output Field 2” of Processing Result Output.

(iii) Contents of Processing Result Message (SMTP header and SMTP trailer)

SMTP header and SMTP trailer of Processing Result Message, which SP system retrieve from NACCS server (test environment), will be set as follows;

Item	Contents		
SMTP header	No.	Field	Values to be set by NACCS Center (test environment)
	1	From	"Mail address of NACCS" will be set as sender of the message. (Value; NACCS@MAIL.YYYY.ZZZZZZ)
	2	To	"Mail address of SP" provided by NACCS Center will be set. (Example; AAAAA001@MAIL.ABC01.YYYYYY)
	3	Date (Note 1)	Retrieved date and time by SP system will be set. (Example; Fri,△6△Oct△2025△10:10:15△+0900)
	4	Subject (Note 2)	Data, differ from procedure to procedure, will be set.
	5	MIME-version	"1.0" will be set in NACCS.
	6	Content-Type	Text/plain;charset="EUC-JP" will be set.
	7	Content-Transfer-Encoding	"8bit" will be set for EUC characters in NACCS.
NACCS EDI message	See (iv) Contents of Processing Result Message (for screen) or (v) Contents of Processing Result Message (Output Information) in the following pages.		
SMTP trailer (Note 3)	"." (period) and "CRLF" will be set.		

(Note 1) "△" denotes single byte space.

(Note 2) "Subject" is filled with data differ from procedure to procedure (Process Result Code etc.).

(Note 3) About SMTP trailer

"<CRLF>. <CRLF>" means the end of the whole message in SMTP. "<CRLF>" of the end of NACCS EDI message and ". <CRLF>" of SMTP trailer become "<CRLF>. <CRLF>".

Please note that setting whole of "<CRLF>. <CRLF>" in SMTP trailer makes an error of message length.

(iv) Contents of Processing Result Message (for screen)

Contents of Processing Result Message (for screen) retrieved by SP system will be set as follows;

No.	Field	Length and attribute	Values
1	Output Common Fields (Note 1)	an398	—
	(Reserved area)(Note 2)	3	
	Procedure Code (Note 3)	5	TCC△△
	Output Information Code	7	CAQ0010
	Date of Message Receipt	14	Date and time of message receipt will be set. (yyyymmddhhmm△△)
	User Code	5	SP code (First 5 digit of SP code)
	(Reserved area)	17	Spaces will be set.
	User's Mail Address	64	Mail address of SP
	Subject (Note 4)	64	00000-0000-0000 (Process Result Code will be set.)
	(Reserved area)(Note 2)	40	Spaces will be set.
	Message Tag	26	Values set in Processing Request Message
	Message Control Information	5	—
	Division Sequence Number	3	001
	Termination	1	E
	Message Type	1	M
	(Reserved area)(Note 2)	3	Spaces will be set.
	Input Message ID	10	Values set in Processing Request Message
	Index Tag	100	Spaces will be set.
	Message Destination Control Code	1	Q
	(Reserved area)(Note 2)	28	Spaces will be set.
	Message Length	6	000581
	Delimiter	an2	CRLF
2	Process Result Code	an75	—
	Process Result Code 1	15	00000-0000-0000
	Process Result Code 2	15	Spaces will be set.
	Process Result Code 3	15	
	Process Result Code 4	15	
	Process Result Code 5	15	
	Delimiter	an2	CRLF
3	Output Information Field 1	an50	Values set in Processing Request Message
	Delimiter	an2	CRLF
4	Output Information Field 2	an50	Values set in Processing Request Message
	Delimiter	an2	CRLF

(Note 1) "an" in "Length and attribute" column denotes single byte numbers and single byte capital alphabets.

(Note 2) The reserved area is used for system control.

(Note 3) "△" denotes single byte space. Please note that for phase 2, this field should be filled with each procedure code implemented for the test.

(Note 4) "Subject" is filled with data differ from procedure to procedure (Process Result Code etc.).

(v) Contents of Processing Result Message (Output Information)

Contents of Processing Result Message (Output Information) retrieved by SP system will be as follows;

No.	Field	Length and attribute	Contents
1	Output Common Fields (Note 1)	an398	—
	(Reserved area)(Note 2)	3	
	Procedure Code (Note 3)	5	TCC△△
	Output Information Code	7	CAQ0020
	Date of Message Receipt	14	Date and time of message receipt will be set. (yyyymmddhhmm△△)
	User Code	5	SP code
	(Reserved area)(Note 2)	17	Spaces will be made.
	User's Mail Address	64	Mail address of SP
	Subject (Note 4)	64	00000-0000-0000 (Process Result Code will be set.)
	(Reserved area)(Note 2)	40	Spaces will be made.
	Message Tag	26	Spaces will be set.
	Message Control Information	5	—
	Division Sequence Number	3	001
	Termination	1	E
	Message Type	1	P
	(Reserved area)(Note 2)	3	Spaces will be made.
	Input Message ID	10	Values set in Processing Request Message
	Index Tag	100	Spaces will be set.
	Message Destination Control Code	1	Q
	(Reserved area)(Note 2)	28	Spaces will be made.
	Message Length	6	000504
	Delimiter	an2	CRLF
2	Output Field 1	an50	Values set in Processing Request Message
	Delimiter	an2	CRLF
3	Output Field 2	an50	Values set in Processing Request Message
	Delimiter	an2	CRLF

(Note 1) “an” in “Length and attribute” column denotes single byte numbers and single byte capital alphabets.

(Note 2) The reserved area is used for system control.

(Note 3) “△” denotes single byte space. Please note that for phase 2, this field should be filled with each procedure code implemented for the test.

There is no guarantee that a value of “Procedure Code” in Output Common Field is identical to a value of the same element in Input Common Field. In other words, the value of “Procedure Code” in Output Common Field might be different from the one in Input Common Field. It can be a character string (including spaces) with no regularity.

(Note 4) “Subject” is filled with data differ from procedure to procedure (Process Result Code etc.).

When you receive error message even after checking the setting of above contents from (i) to (v), please proceed to 3.2.3.

(2) Interactive Processing Mode (SMTP two-way)

When you implement TCC procedure with Interactive Processing Mode (SMTP two-way), please conduct the following steps.

① Make Processing Request Message

For Processing Request Message, correct SMTP header, SMTP trailer and NACCS EDI message are required.

Setting details of SMTP header, SMTP trailer and NACCS EDI message are shown in “Contents of Processing Request Message (SMTP header and SMTP trailer)” and “Contents of Processing Request Message (NACCS EDI message)” in the following pages.

Please set arbitrary values in “Input Field 1” and “Input Field 2” following the setting details.

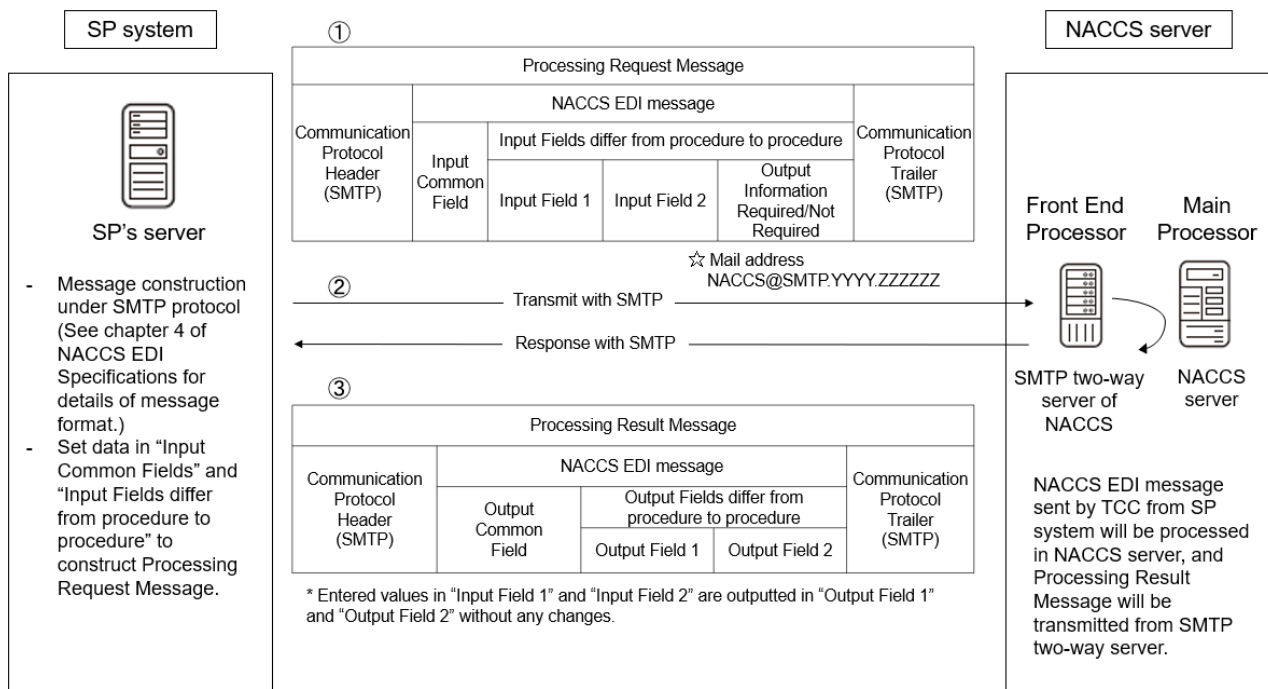
② TCC procedure implementation

Please send the message you made as Processing Request Message of TCC to NACCS server (test environment). After processing in NACCS server, Processing Result Message will be responded to SP system.

③ Confirm Processing Result Message

Please confirm whether “Output Field 1” and “Output Field 2” of received Processing Result Message are same as “Input Field 1” and “Input Field 2” of Processing Request Message made in ① step.

<Diagram for above mentioned TCC procedure>



(Note 1) A command sequence of Interactive Processing Mode (SMTP two-way) is shown in Chapter 4 of NACCS EDI Specifications.

(Note 2) Actual values of SMTP header, SMTP trailer and NACCS EDI message are shown in the following pages.

(i) Processing Request Message (SMTP header and SMTP trailer)

SMTP header and SMTP trailer of Processing Request Message, sent from SP system to NACCS server (test environment), should be set as follows;

Item	Contents		
	No	Field	Values to be set by SP
SMTP header	1	From	Set "Mail address of SP" provided by NACCS Center. (Example; AAAAA1@ZZZZZ.ABC01.YYYYYY) Empty in this field causes error.
	2	To	Set "Mail Address of NACCS". (Value; NACCS@SMTP.YYYY.ZZZZZZ)
	3	MIME-version	Set "1.0" for NACCS.
	4	Content-Type	Set Text/plain;charset="EUC-JP"
	5	Content-Transfer-Encoding	Set "8bit" for EUC characters in NACCS.
NACCS EDI message	See "(ii) Contents of Processing Request Message (NACCS EDI message)" in the following pages.		
SMTP trailer (Note)	Set "." (period) and "CRLF".		

(Note) "<CRLF>. <CRLF>" means the end of the whole message in SMTP. "<CRLF>" of the end of NACCS EDI message and "." <CRLF>" of SMTP trailer become "<CRLF>. <CRLF>". Please note that setting whole of "<CRLF>. <CRLF>" in SMTP trailer makes an error of message length.

(ii) Contents of Processing Request Message (NACCS EDI message)

Contents of Processing Request Message sent from SP system to NACCS server (test environment) are same as the ones described in 3.2.2(1).

(iii) Contents of Processing Result Message (SMTP header and SMTP trailer)

SMTP header and SMTP trailer of Processing Result Message, which SP system receive from NACCS server (test environment), will be set as follows;

Item	Contents		
SMTP header	No	Field	Values to be set by NACCS server (test environment)
	1	From	"Mail address of NACCS" will be set as sender of the message. (Value; NACCS@SMTP.YYYY.ZZZZZZ)
	2	To	"Mail address of SP" provided by NACCS Center will be set. (Example; AAAA1@ZZZZ.ABC01.YYYYYY)
	3	Date (Note 1)	Receipt date by SP system will be set. (Example; Fri,△6△Oct△2025△10:10:15△+0900)
	4	Subject (Note 2)	Data, differ from procedure to procedure, will be set.
	5	MIME-version	"1.0" will be set in NACCS.
	6	Content-Type	Text/plain;charset="EUC-JP" will be set.
	7	Content-Transfer-Encoding	"8bit" will be set for EUC characters in NACCS.
NACCS EDI Message	See (iv) Contents of Processing Result Message (for screen) (NACCS EDI message) or (v) Contents of Processing Result Message (Output Information) (NACCS EDI message) in the following pages.		
SMTP trailer (Note 3)	"." (period) and "CRLF" will be set.		

(Note 1) "△" denotes single byte space.

(Note 2) "Subject" is filled with data differ from procedure to procedure (Process Result Code etc.).

(Note 3) "<CRLF>. <CRLF>" means the end of the whole message in SMTP. "<CRLF>" of the end of NACCS EDI message and ". <CRLF>" of SMTP trailer become "<CRLF>. <CRLF>".

Please note that setting whole of "<CRLF>. <CRLF>" in SMTP trailer makes an error of message length.

(iv) Contents of Processing Result Message (for screen) (NACCS EDI message)

Contents of Processing Result Message (for screen) (NACCS EDI message) which SP system receive are same as the ones described in 3.2.2 (1).

(v) Contents of Processing Result Message (Output Information) (NACCS EDI message)

Contents of Processing Result Message (Output Information) (NACCS EDI message) which SP system receive will be as follows;

No.	Field	Length and attribute	Contents
1	Output Common Fields (Note 1)	an398	—
	(Reserved area)(Note 2)	3	Spaces will be set.
	Procedure Code (Note 3)	5	Spaces will be set.
	Output Information Code	7	CAQ0020
	Date of Message Receipt	14	Date and time of message receipt will be set. (yyyymmddhhmm△△)
	User Code	5	SP code
	(Reserved area)(Note 2)	17	Spaces will be set.
	User's Mail Address	64	Mail address of SP
	Subject (Note 4)	64	00000-0000-0000 (Process Result Code will be set.)
	(Reserved area)(Note 2)	40	Spaces will be set.
	Message Tag	26	Spaces will be set.
	Message Control Information	5	—
	Division Sequence Number	3	001
	Termination	1	E
	Message Type	1	P
	(Reserved area)(Note 2)	3	Spaces will be set.
	Input Message ID	10	Values set in Processing Request Message
	Index Tag	100	Spaces will be set.
	Message Destination Control Code	1	Q
	(Reserved area)(Note 2)	28	Spaces will be set.
	Message Length	6	000504
	Delimiter	an2	CRLF
2	Output Field 1	an50	Values set in Processing Request Message
	Delimiter	an2	CRLF
3	Output Field 2	an50	Values set in Processing Request Message
	Delimiter	an2	CRLF

(Note 1) “an” in “Length and attribute” column denotes single byte numbers and single byte capital alphabets.

(Note 2) The reserved area is used for system control.

(Note 3) For Interactive Processing Mode, spaces will be set here.

(Note 4) “Subject” is filled with data differ from procedure to procedure (Process Result Code etc.).

When you receive error message even after checking the setting of above contents from (i) to (v), please proceed to 3.2.3.

3.2.3 Handling in case of Errors (Phase 1)

(1) E-mail Style Processing Mode (SMTP/POP3)

In case of errors such as “Communication error message is returned when transmitting message.” or “Message can not be retrieved even with correct mail box ID and password.”, please check the following points;

【Check points】

- ① “IP address of DNS server in NACCS network” provided by NACCS Center is set correctly in SP system.
- ② “IP address of SP system” provided by NACCS Center is set correctly in SP system.
- ③ Setting of default gateway is “IP address of NACCS connection router” provided by NACCS Center.
- ④ Setting of “Subnet mask”.
- ⑤ Setting of “Mail address of NACCS”.
- ⑥ Network connectivity re-checking sending “ping” to “IP address of “ping” point”.
- ⑦ Port numbers used in application of SP system. (They should be “SMTP:25” and “POP3:110”.)
- ⑧ Log data of SMTP and POP3 commands. (Spelling of commands or command options are to be checked.)
- ⑨ Maintenance schedule and system failure announcement in NACCS AFR website.

When cause of the error can not be revealed even though you made sure all of above mentioned check points, please notify NACCS Center in the manner specified in 1.10.

<<Note>>

When mail address is not set correctly, NACCS will process as follows;

- (a) Spelling error in domain name of “Mail address of NACCS” (test environment)

(Example; NACCS@NAIL.YYYY.ZZZZZZ)

⇒ SMTP command error will occur, which SP can recognize.

- (b) Spelling error in local part of “Mail address of NACCS” (test environment)

(Example; MACCS@MAIL.YYYY.ZZZZZZ)

⇒ SMTP command will end normally. NACCS server once receives the message from SP system and discards it due to address unknown. In this case, no notification will be sent to SP system, thus please re-send the message after checking local part of the e-mail address.

If you can not retrieve the message from mail box after several tries, please confirm above mentioned 10 check points once again.

(2) Interactive Processing Mode (SMTP two-way)

In case of errors such as “Communication error message is returned when transmitting message.” or “No response message is received after transmitting message successfully.”, please check the following points;

【Check points】

- ① “IP address of DNS server in NACCS network” provided by NACCS Center is set correctly in SP system.
- ② “IP address of SP system” provided by NACCS Center is set correctly in SP system.
- ③ Setting of default gateway is “IP address of NACCS connection router” provided by NACCS Center.
- ④ Setting of “Subnet mask”.
- ⑤ Setting of “Mail address of NACCS”.
- ⑥ Network connectivity re-checking sending “ping” to “IP address of “ping” point”.
- ⑦ Port number used in application of SP system. (It should be “SMTP:25”.)
- ⑧ Log data of SMTP commands. (Spelling of commands or command options are to be checked.)
- ⑨ Maintenance schedule and system failure announcement in NACCS AFR website.

When cause of the error can not be revealed even though you made sure all of above mentioned check points, please notify NACCS Center in the manner specified in 1.10.

<<Note>>

When mail address is not set correctly, NACCS will process as follows;

- (a) Spelling error in domain name of "Mail address of NACCS" (test environment)

(Example; NACCS@NMTP.YYYY.ZZZZZZ)

⇒ SMTP command error will occur, which SP can recognize.

- (b) Spelling error in local part of "Mail address of NACCS" (test environment)

or when "Mail address of SP" provided by NACCS Center is not set in SP system.

(Example; MACCS@SMTP.YYYY.ZZZZZZ)

⇒ SMTP command will end normally. NACCS server once receives the message from SP system and discards it due to address unknown. In this case, no notification will be sent to SP system, thus please re-send the message after checking local part of the E-mail address.

If you can not retrieve the message from mail box after several tries, please confirm above mentioned 10 check points once again.

4. Connectivity Test (Phase 2)

4.1 Preparations (Phase 2)

4.1.1 Purpose (Phase 2)

Checking whether message exchange (procedure processing test) between SP system and NACCS server (test environment), based on “NACCS EDI Specifications” and “Procedure Specifications”, can be done without any errors.

You need to check if SP system can receive Processing Result Message from NACCS server as a result of AFR procedures and if the following procedures are available.

<<Precondition>>

(i) Input value

Except for the following dummy codes provided by NACCS Center, please input arbitrary value to Input Fields for the test.

- Reporter ID & password
- Carrier Code
- Vessel Code
- NVOCC Code for House B/L

(ii) Test data

We will prepare test data for **scenario “CT-S-AFR08”** for outputting “Prior Notification Status of Relevant House B/L (DNU) (SAS144)”.

<<Note>>

“EXC type message”, which is to be outputted as a result of procedure implementation by third party, is available for the test. However “Prior Notification of Risk Assessment Result (SAS111)” and “Prior Notification Lifting Information of Risk Assessment Result (SAS112)” are not available for the test.

4.1.2 Necessary Device (Phase 2)

Please continually use the same devices which you have already installed in phase 0.

4.1.3 Configuration Information provided by NACCS Center (Phase 2)

We will send configuration information to your contact person for Connectivity Test no later than 10 days before phase 2. Please refer to the following pages for your processing mode.

- E-mail Style Processing Mode (SMTP／POP3)Refer to 4.1.3 (1)
- Interactive Processing Mode (SMTP two-way).....Refer to 4.1.3 (2)

(1) E-mail Style Processing Mode (SMTP/POP3)

No.	Item	Purpose of Use (Note 1)	Remarks (Note 3)
1	IP address of NACCS connection router	Production	For phase 0
2	IP address of SP system	Production	For phase 0
3	Subnet mask	Production	For phase 0
4	IP address of “ping” point	Production	For phase 0
5	IP address of DNS server in NACCS network	Production	For phase 1
6	Mail address of NACCS	Test	For phase 1
7	Mail address of SP	Test	For phase 1
8	Mail box ID of SP (Local part)	Production	For phase 1
9	Mail box password of SP (dummy password)	Test	For phase 1
10	SP code (5+3 digit)	Production	For phase 1
11	Password for SP code (dummy password)	Test	For phase 1
12	Reporter ID (For filing Master B/L) (dummy)	Test	
13	Password for Reporter ID (For filing Master B/L) (dummy)	Test	
14	Carrier Code (dummy)	Test	
15	Reporter ID (For filing House B/L) (dummy)	Test	
16	Password for Reporter ID (For filing House B/L) (dummy)	Test	
17	Vessel Code (dummy)	Test	
18	NVOCC Code for House B/L (dummy)	Test	
19	Test data for scenario “CT-S-AFR08” (Note 2)	Test	
20	Process Result Code	Production	Place on AFR website (Note 4)

(Note 1) “Purpose of Use” in the above chart stands for the environment to which configuration information is used.

(i) “Test” means that the configuration information will be used solely for Connectivity Test. Please note that it can not be used for Comprehensive Operation Test. (We will inform you of configuration information for Comprehensive Operation Test separately.)

(ii) “Production” means that the configuration information will be used not only for Connectivity Test but also for actual operation in 7th generation NACCS.

(Note 2) For a specific test flow, to which prior registration of information is needed, we will prepare “test data”. Test data can be used by dummy Reporter ID (for filing Master B/L). **Provided information for SP is “House B/L number”.**

(Note 3) Gray out area in the chart has been used in phase 0 and 1.

(Note 4) We intend to place on our AFR website by the end of Nov. 2024.

When the setting of above mentioned items is completed, please proceed to 4.1.4.

(2) Interactive Processing Mode (SMTP two-way)

No.	Item	Purpose of Use (Note 1)	Remarks (Note 3)
1	IP address of NACCS connection router	Production	For phase 0
2	IP address of SP system	Production	For phase 0
3	Subnet mask	Production	For phase 0
4	IP address of “ping” point	Production	For phase 0
5	IP address of DNS server in NACCS network	Production	For phase 1
6	Mail address of NACCS	Test	For phase 1
7	Mail address of SP	Test	For phase 1
8	Logical terminal computer name	Test	For phase 1
9	SP code (5+3 digit)	Production	For phase 1
10	Password for SP code (dummy password)	Test	For phase 1
11	Reporter ID (For filing Master B/L) (dummy)	Test	
12	Password for Reporter ID (For filing Master B/L) (dummy)	Test	
13	Carrier Code (dummy)	Test	
14	Reporter ID (For filing House B/L) (dummy)	Test	
15	Password for Reporter ID (For filing House B/L) (dummy)	Test	
16	Vessel Code (dummy)	Test	
17	NVOCC Code for House B/L (dummy)	Test	
18	Test data for scenario “CT-S-AFR08” (Note 2)	Test	
19	Process Result Code	Production	Place on AFR website (Note 4)

(Note 1) “Purpose of Use” in the above chart stands for the environment to which configuration information is used.

(i) “Test” means that the configuration information will be used solely for Connectivity Test. Please note that it can not be used for Comprehensive Operation Test. (We will inform you of configuration information for Comprehensive Operation Test separately.)

(ii) “Production” means that the configuration information will be used not only for Connectivity Test but also for actual operation in 7th generation NACCS.

(Note 2) For a specific test flow, to which prior registration of information is needed, we will prepare “test data”. Test data can be used by dummy Reporter ID (for filing Master B/L). **Provided information for SP is “House B/L number”.**

(Note 3) Gray out area in the chart has been used in phase 0 and 1.

(Note 4) We intend to place on our AFR website by the end of Nov. 2024.

When the setting of above mentioned items is completed, please proceed to 4.1.4.

4.1.4 NACCS Procedure Related Code Not mentioned in 4.1.3 (Phase 2)

Regarding NACCS procedure related code not mentioned in 4.1.3 (HS code, UN/LOCODE etc.),

please use actual code in the current operation.

4.1.5 Restrictions (Phase 2)

- (i) Only 1 set of mail address (1 for SP and 1 for NACCS) will be given for SP using Interactive Processing Mode (SMTP two-way).
- (ii) Only 1 mail box ID will be given for SP using E-mail Style Processing Mode (SMTP/POP3).
- (iii) For a specific test flow, to which prior registration of information is needed, we will prepare test data. Please note that Year, Month, Day etc. set to test data won't be outputted in actual operation.
- (iv) We do not take measure to restore test environment. Therefore in case there occurred system errors in test environment, test data may disappear.
- (v) Test data will be initialized at the initialization date of test environment. Besides, data registered by SP will be deleted from test environment at the initialization date.

4.2 Implementation Details (Phase 2)

4.2.1 Conditions for Completion (Phase 2)

This phase is completed with normal termination of AFR procedures. Please refer to Process Result Code of Processing Result Message, in order to confirm whether contents of Processing Request Message have been normally processed or not. Process Result Code ① stands for normal termination. Process Result Code ② and ③ on the other hand mean errors, thus please make correction of message for test according to Process Result Code and re-send the message.

(i) When normally terminated

Process Result Code is "00000—0000—0000".

(ii) When procedure error occurred

Process Result Code will be one of the followings;

- Uxxxx-xxxx-xxxx
- Sxxxx-xxxx-xxxx
- Rxxxx-xxxx-xxxx
- Exxxx-xxxx-xxxx
- Mxxxx-xxxx-xxxx
- Lxxxx-xxxx-xxxx

Cause of error lies in "Input Fields differ from procedure to procedure" of transmitted message. ("Input Common Fields" has no problem.)

(iii) When common error (system message) occurred

Process Result Code will be either "Axxxx-0000-xxxx" or "Kxxxx-xxxx-xxxx".

In this case, cause of error lies in "SP code", "Password for SP Code" etc., and the processing in NACSS Center server (test environment) is not conducted.

(Note 1) Above mentioned Process Result Code in ② and ③ will be placed on our AFR website.

< <https://bbs.nacccscenter.com/nacccs/dfw/web/afr/af7th.html> >

(Note 2) In principle, NACCS stops processing with error detection and outputs 1 Process Result Code which indicates contents of the error. However, when error lies in "digit" and "attribute" of each Input Field, NACCS keeps checking error until finding 5 errors and output 5 Process Result Code (Sxxxx-xxxx-xxxx) at most. When Process Result Code is not set, NACCS will output spaces.

(Note 3) In the case of ①, in addition to Process Result Code "00000—0000—0000", you might receive warning message "Wxxxx-xxxx-xxxx" as well. Please refer to our AFR website for precise information on the warning message.

< <https://bbs.nacccscenter.com/nacccs/dfw/web/afr/af7th.html> >

Output Common Fields (398 bytes)	CR	LF	Process Result Code 1 (15 bytes)	Process Result Code 2 (15 bytes)	Process Result Code 3 (15 bytes)	Process Result Code 4 (15 bytes)	Process Result Code 5 (15 bytes)	CR	LF	Output Field differ from procedure to procedure	CR	LF
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4.2.2 Implementation Processes (Phase 2)

Please set data provided by NACCS Center or data you prepared to “Input Fields differ from procedure to procedure” of Processing Request Message, so as to make sure if message transmission will be processed normally. Please note that for implementation of test specified in scenario “**CT-S-AFR08**”, “test data” is indispensable.

【How to read “Procedure Code for Test”】

- (i) “●”; NACCS Center will prepare “test data”. By using the test data, you can receive “Prior Notification Status of Relevant House B/L (DNU) (SAS144)”.
- (ii) “△”; Please use your own data for test.
 - * Please note that when the procedure code for which you want to implement the test (“△”) is written at the end point of an arrow in “**scenario**”, you at first have to do test for the procedure written at the start point of the arrow.

【How to read “Scenario”】

Please refer to the following pages according to your Processing Mode, because each Processing Mode has different implementation processes.

- E-mail Style Processing Mode (SMTP／POP3).....4.2.2(1)
- Interactive Processing Mode (SMTP two-way).....4.2.2(2)

(1) E-mail Style Processing Mode (SMTP/POP3)

- ① Select the Procedure Code for test.
- ② Check conditions to be met for the selected procedures.
 - 【When the procedure is "●"】
 - Use "test data" prepared by NACCS Center.
 - 【When the procedure is "△"】
 - Use your own data.
 - When preceding procedures are needed, please do these procedures at first. For example, for doing BLL (Association of Registered B/L Numbers) procedure, you at first have to go through the following procedures;
 - <One of assumable flows for doing BLL procedure>
 - (i) AMR for filing Master (Ocean) B/L
 - (ii) ATD
 - Separate, Combine or Switch of B/L Number occurred-
 - (iii) CMR for filing new Master (Ocean) B/Ls after Separate, Combine or Switch.
 - * This CMR is regarded as overdue.
 - (iv) BLL for associating "original B/L Number registered by AMR" and "new B/L Number registered by CMR" so as to cancel discrepancy information (overdue).
- ③ Implement the test for the selected procedures.
 - Please make sure that the contents of Processing Request Message are consistent with "NACCS EDI Specifications" and "Procedure Specifications" for 7th generation NACCS.
- ④ Retrieve Processing Result Message.
 - Please retrieve Processing Result Message stored in the in-box by using "Mail box ID of SP (Local part)" and "Mail box password of SP" notified by NACCS Center.
- ⑤ Confirm Processing Result Message.

【Confirmation Method】

For details on the form of SMTP header and SMTP trailer, please refer to 3.2.2 (1)

When error messages are displayed even though you have implemented the test based on the information described in 3.2.2 (1), please proceed to 4.2.3.

(2) Interactive Processing Mode (SMTP two-way)

- ① Select the Procedure Code for test.
- ② 【When the procedure is "●"】
 - Use "test data" prepared by NACCS Center.【When the procedure is "△"】
 - Use your own data.
 - When preceding procedures are needed, please do these procedures at first. For example, for doing BLL (Association of Registered B/L Numbers) procedure, you at first have to go through the following procedures;
<One of assumable flows for doing BLL procedure>
 - (i) AMR for filing Master (Ocean) B/L
 - (ii) ATD
 - Separate, Combine or Switch of B/L Number occurred-
 - (iii) CMR for filing new Master (Ocean) B/Ls after Separate, Combine or Switch.
 - * This CMR is regarded as overdue.
 - (iv) BLL for associating "original B/L Number registered by AMR" and "new B/L Number registered by CMR" so as to cancel discrepancy information (overdue).
- ③ Implement the test for the selected procedures.
 - Please make sure that the contents of Processing Request Message are consistent with "NACCS EDI Specifications" and "Procedure Specifications" for 7th generation NACCS.
- ④ Confirm Processing Result Message.

【Confirmation Method】

For details on the form of SMTP header and SMTP trailer, please refer to 3.2.2 (2).

When error messages are displayed even though you have implemented the test based on the information described in 3.2.2 (2), please proceed to 4.2.3.

4.2.3 Handling in case of Errors (Phase 2)

- (i) When error messages are displayed in sending message, please check the same points as phase 0 and phase 1.
- (ii) When error messages are displayed in procedure processing, please refer to error code which will be placed on our AFR website, make necessary correction and re-send message.
- (iii) When you can not achieve normal termination even though you have done above things, please notify NACCS Center in the manner specified in 1.10.