

3.3 XML format message

3.3.1 Message format for XML format message

For the message format for XML format message used in NACCS, both system header and procedure data are XML format text messages. In addition, the number of Process Request Messages contained in 1 XML format message is 1 message.

Also, refer to "Table A6-7 Subjected Procedure List" for subjected procedure.

(1) Format/version for XML format messages

Format/version for XML format messages used in NACCS shall be based on PAA (Pan Asian e-commerce Alliance) Standard/Superset Message Structure V3.3 with NACCS's unique specification added. For convenience, it is referred to as PAA including the specification of NACCS.

3.3.2 Message structure for XML format messages

A communications protocol header and a trailer are added to a XML format message.

Figure 3.3.1 and Figure 3.3.2 show message structure.

Note that, when SMTP is used as the communications protocol, it is necessary to make a new line after each end tag not to exceed 1000 bytes per 1 line of transmit data.

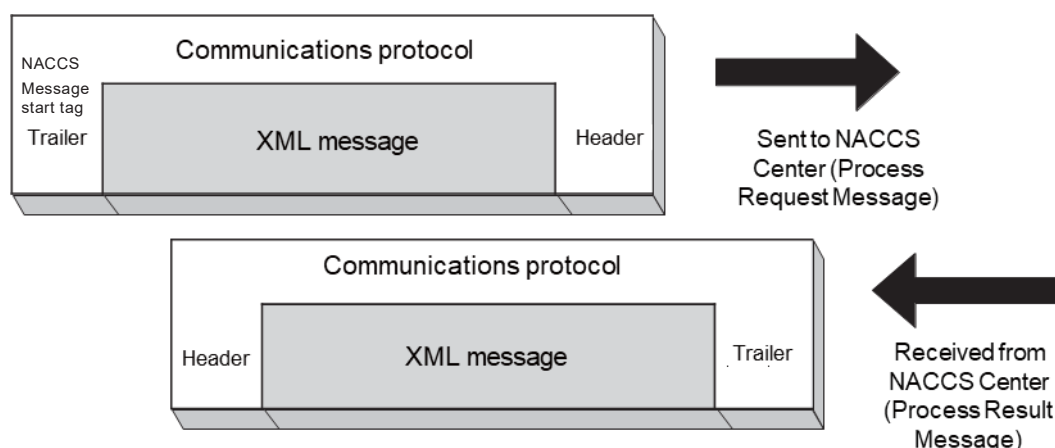
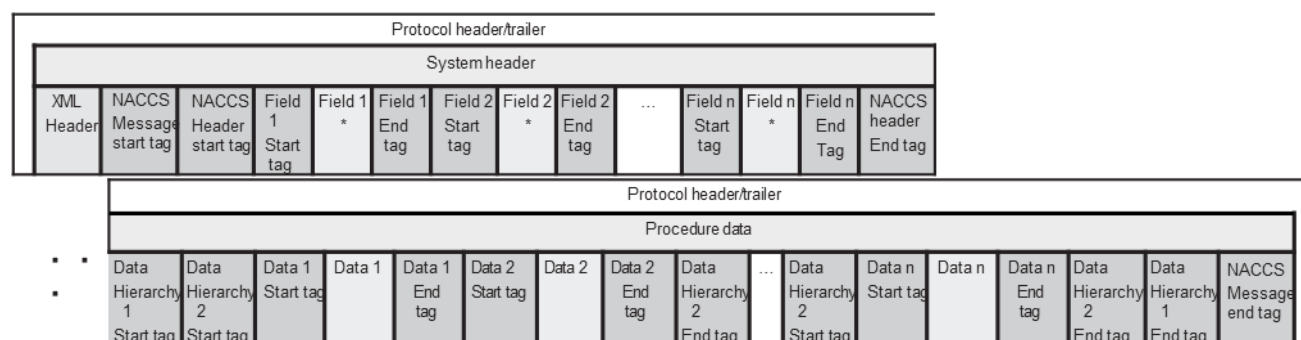


Figure 3.3.1 XML format message



* Subject fields for Input / Output Common Fields (Input / Output Common Fields have multiple fields and have hierarchical structure)

Figure 3.3.2 Example of XML format message Structure

3.3.3 Types of Transmission/Receipt Message of XML Format Message

Table 3.3.1 shows the list of processing mode handling Transmission/Receipt Message of XML format message.

Table 3.3.1 List of Transmission/Receipt Message of XML format message

Message type	Interactive processing mode			E-mail Style Processing Mode
	NACCS Packaged Software(Note)	SMTP Two-Way	netAPI	
Process Request Message	-	O	O	O
Output Information Message	-	O	O	O
Process Result Output Message	-	O	O	O

(Note) NACCS Packaged Software can handle only NACCS EDI messages (XML format messages cannot be used).

3.3.4 Message specifications for XML format messages

Refer to "Appendix 13" and "Procedure Specifications" for specifications for XML format messages (Mapping Table).

Note that the length of each field is different in PAA standards and Process Request Message /Output Information Message and it is handled as described in Table 3.3.2. (Note)

To set the tag (except hierarchy tag) which does not have description in [Field Name] in the Process Request Message, set the tag as an empty tag. (If the tag is set, the content of XML message is deemed invalid and an error is output. (Error code: A0022))

Table 3.3.2 Handling of length difference in PAA standards and Process Request Message /Output Information Message

Relation of length	Details of handling
PAA standards > Process Request Message (Length of PAA standards is long)	Length of Process Request Message is processed as valid data
PAA standards < Process Request Message (Length of PAA standards is short)	Length of PAA standards is processed as valid data
Output information Message > PAA standards (The length of Output Information Message is long.)	Length of PAA standards is processed as valid data
Output Information Message < PAA standards (The length of Output Information Message is short.)	Length of Output Information Message is processed as valid data

(Note) When an input message exceeds the length specified in PAA standards, the range of length of PAA standards is treated as valid data.

3.3.5 How to read the Mapping Table

This section describes how to read XML Mapping Table.
For Mapping table, refer to Mapping Tables in Procedure Specification.

(1) Mapping Table

(A) PAA (XML format)

The mapping format specified in PAA is used, and only tags relating to input/output fields used in NACCS are described.

The following shows descriptions for formats of each field.

Index: Indicates item No. of PAA mapping.

Level: Indicates level of tag hierarchy.

Field Name: Indicates name of tag specified in PAA.

Superset Field Type / Length: Indicates attribute and length.

a	:Alphabetical character	a3	: Alphabetical character, 3 digits fixed-length
n	: Numeric character	3	: Numeric character, 3 digits fixed-length
an	:Alphanumeric	an3	: Alphanumeric, 3 digits fixed-length
		a..3	: Alphabetical character, 3 digits variable-length
		n..3	: Numeric character, 3 digits variable-length
		an..3	: Alphanumeric, 3 digits variable-length

(B) Difference

Difference indicates length where length of input/output fields of NACCS procedure from is subtracted from length of PAA subtract. In addition, when there is no difference or no corresponding field, this is represented as space.

(C) NACCS Input/Output Fields information

The following shows descriptions relating to mapping of input/output field subjected.

Field name: Indicates names of input/output fields.

Conditions: Indicates classifications of mandatory/conditional for fields. The following shows classifications.

M: Mandatory (mandatory field)

C: Conditional (conditional field)

Attribute: Indicates attribute of fields. The following shows attributes.

n: Numerical value (including decimal number. ',' (comma) cannot be used)

an: Alphanumeric (lowercase letters cannot be used)

sn: Alphanumeric (lowercase letters can be used)

j: Japanese can be used (length is the number of bytes).

Length: Indicates the number of digits of filed in NACCS.

However, in fields of numerical value, this indicates number of digits including decimal point.

Code: Indicates codes where checking of code is carried out for input field.

Input/output condition / format: Indicates detailed conditions for data which is input or output.

Remarks: Indicates supplementary information for mapping.