

# 1. Data Transmission/Receipt Processing Mode and Connection Modes

# 1. Data Transmission/Receipt Processing Mode and Connection Modes

## 1.1 Data Transmission/Receipt Processing Mode

Interactive Processing Mode, WebNACCS Processing Mode and E-mail Style Processing Mode are available for transmitting and receiving data with NACCS. Figure 1.1.1 shows an outline of these Processing Modes:

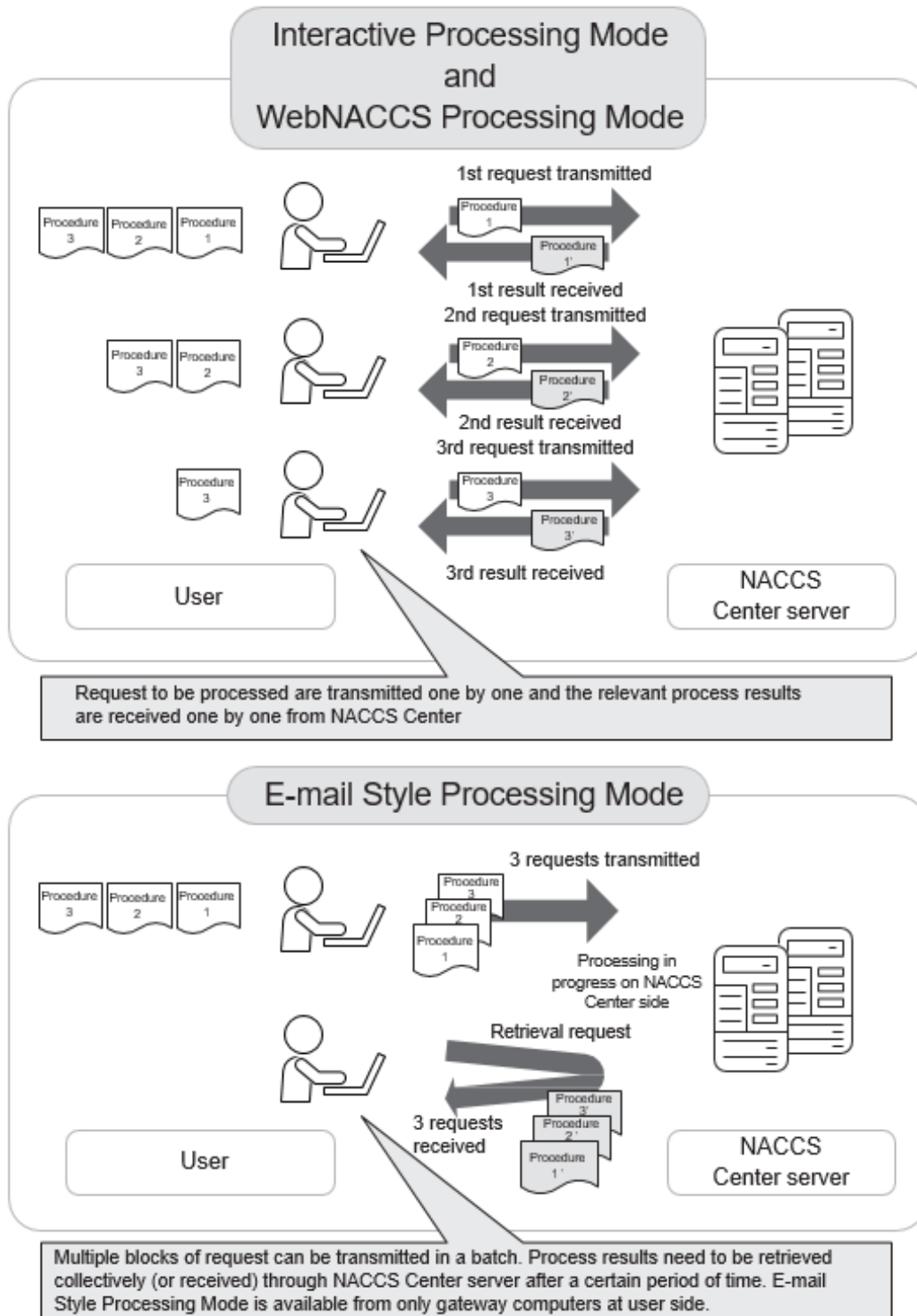


Figure 1.1.1 Interactive Processing Mode, WebNACCS Processing Mode and E-mail Style Processing Mode

### 1.1.1 Interactive Processing Mode

NACCS can operate in the following Interactive Processing Modes: Interactive Processing Mode (for NACCS Packaged Software), Interactive Processing Mode (SMTP Two-Way), and Interactive Processing Mode (netAPI).

#### (1) Interactive Processing Mode (for NACCS Packaged Software)

- (A) Interactive Processing Mode (for 'NACCS Packaged Software - Processing Mode Using Interactive')

This Processing Mode allows the user computer to connect to NACCS Center server by TCP/IP as network and transport layers and by HTTP as its upper layer.

Data are transmitted and received one by one.

This type of Processing Mode is hereinafter referred to as Interactive Processing Mode (interactive).

- (B) Interactive Processing Mode (for 'NACCS Packaged Software – Processing Mode Using netNACCS')

This Processing Mode allows the user computer to connect to NACCS Center server by TCP/IP as network and transport layers and by HTTPS as its upper layer. This is the Internet version of (1)

Data are transmitted and received one by one.

This type of interactive processing is hereinafter referred to as Interactive Processing Mode (netNACCS).

#### (2) Interactive Processing Mode: SMTP Two-Way (for gateway computers)

In this Processing Mode, a SMTP server is installed on both the user side and NACCS Center server, and connections are established by TCP/IP as network and transport layers and by SMTP as its upper layer.

Data are transmitted and received one by one.

This type of Processing Mode is hereinafter referred to as Interactive Processing Mode (SMTP Two-Way).

The Interactive Processing Mode (SMTP Two-Way) also supports the XML Message Mode.

#### (3) Interactive Processing Mode: netAPI (for Gateway computer)

This Processing Mode allows the user to connect to NACCS Center server by TCP/IP as network and transport layers and by HTTPS as its upper layer. The connection specification of Interactive Processing Mode (netNACCS) is published.

Data are transmitted and received one by one.

This type of Processing Mode is hereinafter referred to as Interactive Processing Mode (netAPI).

ⓘ 'NACCS Packaged Software - Processing Mode Using XXX' refers to a type of NACCS Packaged Software provided by NACCS Center. See "Operation Manual for NACCS Packaged Software" for details on types and functions of NACCS Packaged Software.

## **1.1.2 WebNACCS Processing Mode**

Only WebNACCS Processing Mode (for Web browser) is allowed for WebNACCS Processing Mode of NACCS.

### **(1) WebNACCS Processing Mode (for Web browser)**

This Processing Mode allows the user terminal (computers and smartphones) to connect to NACCS Center server by TCP/IP as network and transport layers and by HTTPS as its upper layer.

NACCS Center Web server is accessed from a Web browser on the user terminal (computers and smartphones) and operations are carried out by the input on the operation screen displayed or by actions such as pressing the buttons. Then the Process Result screen will be displayed.

This processing mode is hereinafter referred to as WebNACCS Processing Mode (for Web browser).

## **1.1.3 E-mail Style Processing Mode**

For the E-mail Style Processing Mode in NACCS system, only E-mail Style Processing Mode (for gateway computers) is available.

The E-mail Style Processing Mode also supports the XML/EDIFACT Message Mode.

### **(1) E-mail Style Processing Mode (for gateway computers)**

In this Processing Mode, the user's gateway computer and NACCS Center server are connected by TCP/IP as network and transport layers and by SMTP/POP3 as its upper layer.

Multiple requests can be transmitted at the same time. Process Results need to be retrieved (or received) from NACCS Center server in a batch after a certain period of time.

Figure 1.1.2 shows an outline of processing mode of Data Transmission/Receipt Processing Mode on NACCS:

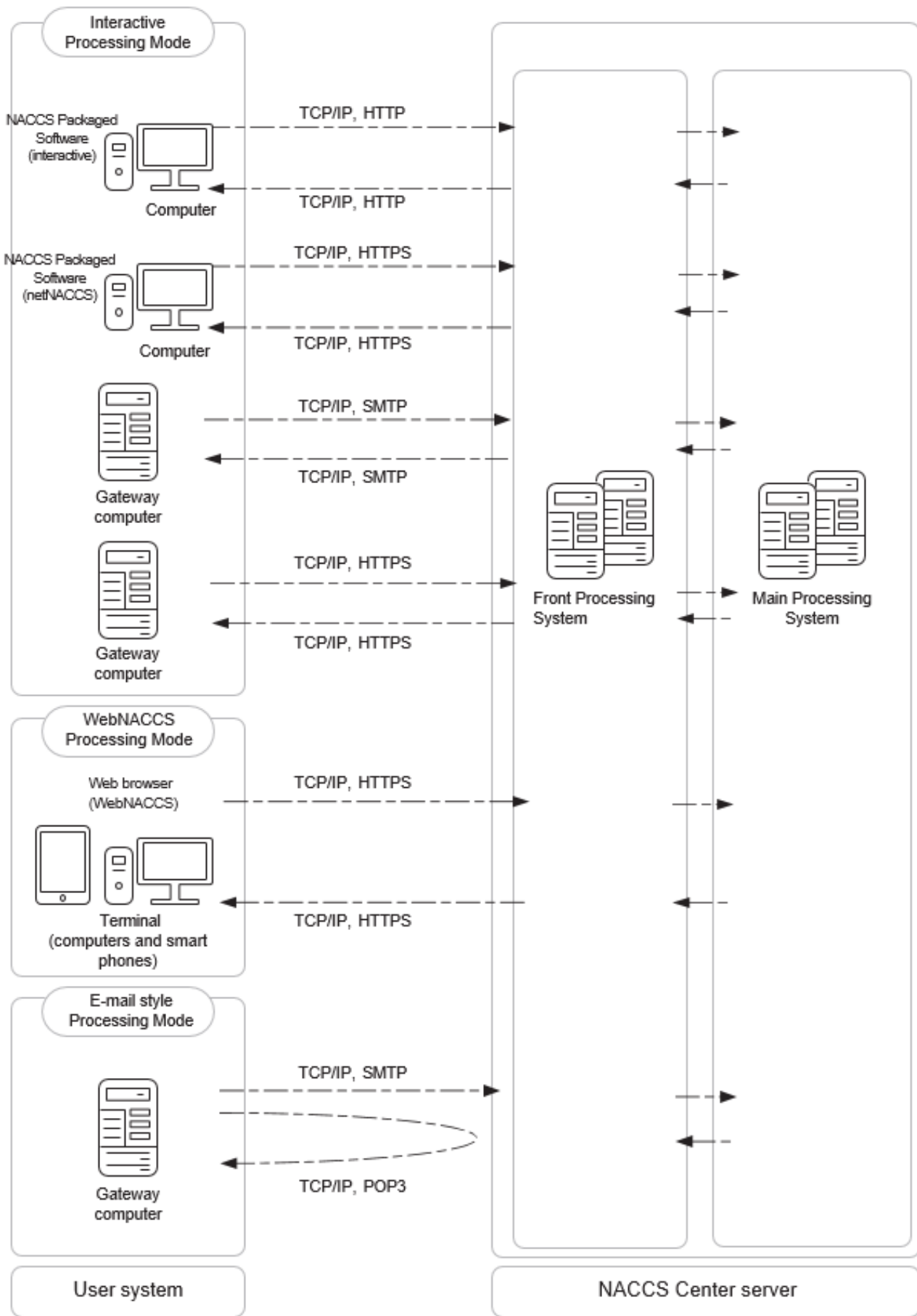


Figure 1.1.2 Outline of Data Transmission/Receipt Processing Mode on NACCS