

NetOrder Client Application Guideline

Rev 1.00.00

Feb 12, 2003

1. Table of Contents

1.	Table of Contents	1
2.	Revision History	1
3.	Scope	1
4.	Guideline	2
4.1.	Compatibility of versions	2
4.2.	Implementation of NetOrderAPI	3

2. Revision History

<i>Date</i>	<i>Changes</i>	<i>Revision</i>
Feb. 12, 2003	Initial draft	1.00.00

3. Scope

The scope of this document is to help development of the solution that uses NetOrder function of QSS ("Client Application") as a safe, reliable system. It is recommended that the developers read this document carefully for the development of Client Application.

Even though Client Application does not adhere to this guideline, there should not be any problem as far as the versions of NetOrderAPI's are identical between QSS and Client Application. If not, it is possible that Client Application will not work correctly and not reliable.

This document can be applied to all types of QSS that has the NetOrder function.

4. Guideline

4.1. Compatibility of versions

This section describes the versions of NetOrderAPI provided in NetOrderSDK and its compatibility.

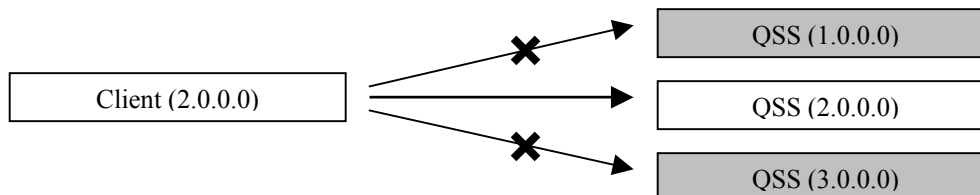
Version name of NetOrderAPI consists of the following three portions.

$$\frac{1}{a} . \frac{0}{b} . \frac{0}{c} . 0$$

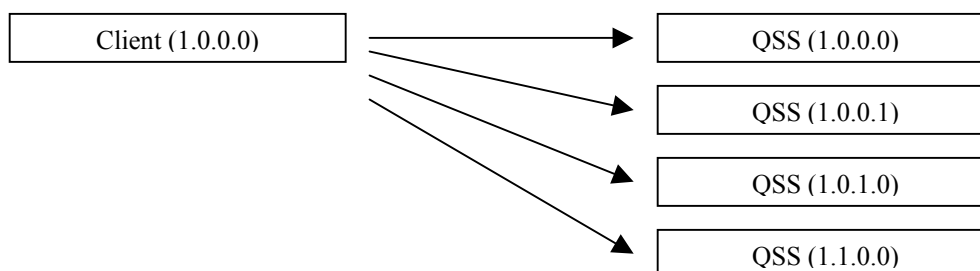
- a. Major version
Increments when there is a change in usage and/or contents of the interface.
- b. Minor version
Increments when there is a change in the function of the interface and/or of QSS connected.
- c. Release version
Increments when a change takes place but it does not affect functions (e.g. API debugging).

In the figures below, numbers in parentheses stand for the sample version of the NetOrderAPI's, and "X" on the arrow stands for there is no compatibility between Client Application and QSS.

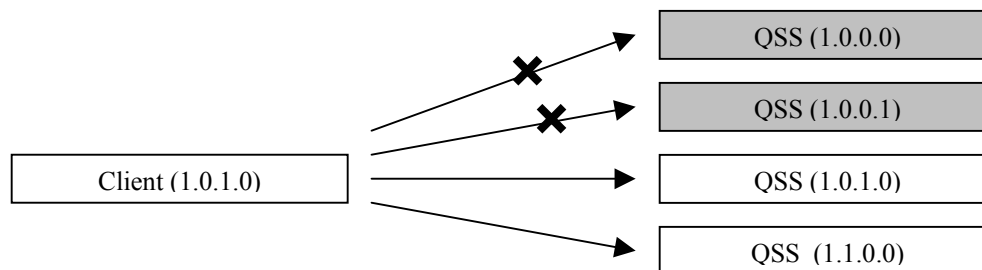
- 1) When the major version is different, they are not compatible.



- 2) When the major versions are the same, you can get backward compatibility.



- 3) Even though the major versions are the same, you cannot get upward compatibility.

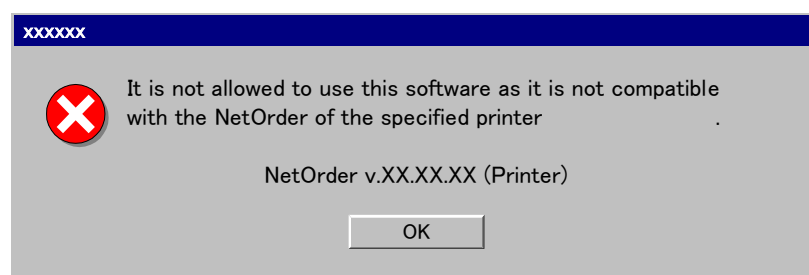


4.2. Implementation of NetOrderAPI

4.2.1. Confirmation at the time of connection

Before Client Application invokes NetOrderAPI, confirm the versions of the NetOrderAPI's of Client Application and QSS match. Based on the confirmation result, it is required that Client Application behaves as follows:

1. When the major versions do not match between the NetOrderAPI's, or when downward compatibility is not supported, provide the operator with the following caution.



2. When the minor versions do not match, behave accordingly.

4.2.2. How to implement the NetOrderAPI

In order to ensure that Client Application that implements the NetOrderAPI works with the QSS that implements the upper version of NetOrderAPI, develop the application so it conforms to the following:

- Client Application shall work normally even though the value not described in the reference (information newly added to the upper version) is returned when attempting to get information from QSS by using NetOrderAPI.

List of variables to which additional parameters will be added in future (as of Feb. 5, 2003):

- MagazineState of QSS_PAPER_INFO structure
- OrderState of QSS_ORDER_STATE structure
- QssState of QSS_PRINTER_STATE structure
- Printtype, InpMediaType, IDPSize, and OutMediaSw of QSS_PRINT_CHANNEL structure
- DisposalSpec and TotalHojyu of QSS_SUM_INFO structure

- Client Application shall work normally even though the value not described in the reference (information newly added to the upper version) is returned when NetOrderAPI is used.
- The variables described as “Unused” in description of reference are reserved for the future use, so implement them by initializing them to “0”. If you failed to do so, it is possible that operations that the QSS that implements upper version of NetOrderAPI does not intend may take place. Also, be sure to implement so the QSS works normally even though any value is set in the unused area.