

Communication

Specifications

Network service and protocol

Volvo communicates point-to-point using the public switched network service based on X.25 or, primarily for the exchange of CAD/CAM data, by using ISDN networks. As file transfer protocol, OFTP will be used (Odette ref.: ODG04SP9213 and ODG04OR95044).

Asynchronous access (X28) may be used in exceptional cases. This should be approved by the suppliers client within Volvo. If a partner prefers to use a third party, e.g. a clearing centre or a VAN, he may do so but the partner must then accept sole responsibility for his relationship with the third party. Volvo stipulates however, that the third party must communicate to Volvo using X.25 and OFTP, i.e. the same principles, which govern direct communications.

To the commercial agreement between the supplier and Volvo is appended a part, which specifies that the supplier takes the total cost within the VAN.

File names

Volvo does not normally use predefined virtual filenames.

File format

Volvo supports different file formats. The standard format is fixed blocked 80 positions, but those partners who wish to use another format may choose among:

- Fixed (F) record format of arbitrary length.
- Variable (V) record format of arbitrary length. Each record should contain one segment.
- Undefined (U) format.

Code representation

Both ASCII and EBCDIC standards are supported by Volvo. ASCII is the standard option, so those partners who wish to use EBCDIC have to stipulate this.

Agreement regarding communication

You will find the Communication Agreement under "Agreements". Suppliers wishing to initiate Odette communication with Volvo are requested to fill in the form and return it to:

Volvo Information Technology
"Communication Agreement"
Dept. 9642
S - 405 08 GOTHENBURG
SWEDEN

E-mail: support.edi@volvo.com

We will then contact the supplier and arrange for a communication test.

Volvo has chosen to co-ordinate all communication through Volvo Information Technology. Therefore it is enough to return only one communication agreement, irrespective of how many Volvo companies a supplier wants to communicate with.

Comments regarding the form:

Physical address

Odette's implementation group has developed recommendations for so-called physical addressing. Each country works out its own addresses based on these recommendations. In Sweden, where the physical address is based on the tax authority's company code, it looks like:

PHYSICAL ADDRESS O094200009999999999XXXXXX

where O = Qualifier for Odette.

0942 = Number for the Swedish Tax Board company code.

00009999999999 = The Swedish Tax Board company code.

XXXXXX = Internal code per company.

This syntax for the physical address must be used. If necessary, ask your software supplier for help. For other countries, please contact your national Odette organisation.

Network address

This is the user's subscription number in the X.25 or ISDN network. For X.25 the layout is defined in the X.121 standard by CCITT. The first four digits is a network identifier (DNIC), e.g. the Swedish Datapak 2 has 2403. The DNIC is followed by the network terminal number (NTN) with a maximum length of 10, sub-address included.

Stand-by

The stand-by are the hours that the communication system is available. Volvo has a 24 hour stand-by, and if possible, we want the partner to have the same. If not, it is important that a stand-by is agreed upon with Volvo. For instance, the partner might be available every night between 1700-0700. Files shall not be queued up for several days at Volvo.

Password

For communication using OFTP there are two passwords defined, one for each partner. These are alphanumeric with a maximum length of 8 characters. On the form Volvo's send password is already filled in. The partner shall fill in his pass-word in the corresponding space.

Security

Volvo is generally not using any security methods, like digital signatures or encryption, for the EDI service.