

## **General Arrangement**

Volvo intends to implement EDI communication in accordance with the ANSI X12 standard with their suppliers in the USA.

The technology will be progressively introduced and will basically apply to all suppliers and companies within Volvo Group.

Establishment of computer-to-computer communication will take place in two stages:

- 1 Establishment of communication
- 2 Implementation of ANSI X12 messages

### **Stage 1 COMMUNICATION**

All Volvo companies communicate via Volvo IT.

Before this communication takes place, a number of identities and parameters must be finalized and documented. Detailed information is given under inserts 2 and 3.

When the technical preparation for EDI communication has been completed and the agreed information has been registered in each system, a communication test will be performed.

The test consists of:

- Communications test
- Test files are transmitted or received for formal checks of both syntax and agreed message content.
- The relevant company within Volvo will test for approval before activation (production) starts.

## Stage 2 APPLICATIONS

The ANSI X12 messages which are currently implemented globally at Volvo's Group are:

- 830 Material Release
- 856 Advance Ship Notice (ASN)
- 810 Invoices

In theory, it is sufficient if a message has been tested and approved by one company within Volvo, to permit the message to be used in production for all companies in the groups. But we would recommend that all suppliers should always test together with each individual company in Volvo before a message is taken into production. This is to give the individual companies at Volvo the opportunity of testing the application in their internal systems.

The messages that are used at individual companies can be under "Forms" where there is an application form for each company.

When the first contact is made, it is a good idea to pass on information about and discuss the messages, which are going to be implemented between the parties.

*\*Version Handled in each message*

In normal circumstances, *Material Release schedule (830)* is implemented first, followed by the *Advance Ship Notice (856)*, and *Invoice (810)*. *If applicable Production Sequence message (866)*

### **Material Release (830)**

Implementation of the delivery schedule is primarily aimed at ensuring that data from the various companies in Volvo can directly update the supplier's order system via computer-to-computer communication. Each supplier is of course free to perform a complete implementation of such direct updating in stages.

**Advance Ship Notice (ASN 856)**

Advanced Shipping Notice shall normally be sent within an hour of goods consignment.

Implementation of the ASN message is normally done once the Material Release is in production.

**Commercial invoice (810)**

Implementation of the 810 message is normally done once Material Release and ASN have been put into production.

**Production Sequence Message (866)**

This transaction is to supply sequence truck only for combined production lines at NRV. This list both Volvo Truck and Mack Truck chassis numbers, rotation numbers for VOLVO and GSO for truck plus the sequence number and the build date.