

European customs messaging network

The EurTradeNet Message eXchange Services (MXS) is an automated system that uses the messages produced during customs and trade procedures to keep all authorised participants in a transaction informed about its status.

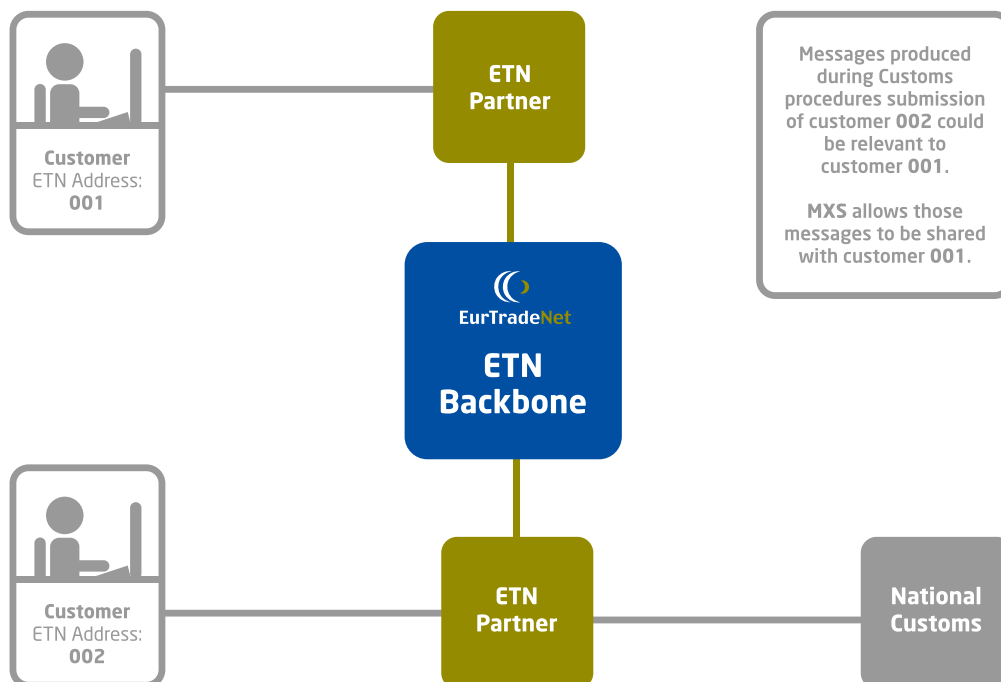
During the process of electronic submission of customs procedures and trade declarations, there is a wealth of messages produced within the conversation between the administration and the trader. Requests and answers constitute an information flow that is not only useful for the submitting party, but for any other agent related with the trade transaction.

EurTradeNet is able to communicate to the interested parties in an information distribution process where responses from customs administrations do not end in the submitting agent, but propagate to reach other involved parties.

MXS means benefits to all:

Single point of contact to track and monitor goods movement.

- The EurTradeNet Message eXchange Services means that at any time everyone involved knows the reported location of each consignment and its customs clearance status.



Service Oriented Architecture

EurTradeNet has built a Service Oriented Architecture (SOA) friendly environment that supports the MXS over typical customs and trade electronic procedures provided by the ETN partners. ETN services can be easily integrated in any SOA-compliant system by the use of open standards (like Web Services and SOAP) and clear service contracts.

To use MXS, customer companies are assigned an ETN address, an internal identification code that signals to one specific trade/customs point, which could be a building, an office, or even a specific computer - much like an e-mail address. This address can then be used by a customer when accessing certain customs procedure to ensure that the corresponding party receives the appropriate messages during the conversation between the declarant and the customs administration. The ETN address can be known by the parties involved in a trading process, and it can even be consulted in ETN's own white pages: the ETN directory. [Publishing requires customer's approval.]

For example, MXS over NCTS delivers messages to alert both shipper and recipient that a shipment is about to depart, including a detailed delivery checklist, so the recipient can prepare for its arrival. The system also notifies the shipper that the consignment has arrived and when it has been unloaded -essential for insurance and guarantee purposes.

MXS over NCTS also delivers messages to alert both shipper and recipient that a shipment is about to leave Customs, including a detailed delivery checklist and an MRN number, so the recipient can prepare for its arrival.