Introduction to TDN

The B2BE Transaction Delivery Network (TDN) provides infrastructure, and environment to enable clients to transmit document and data between one another's back end business systems, with no human intervention, removing the need of paper documents, and manual processes (EDI). Key benefits of TDN:
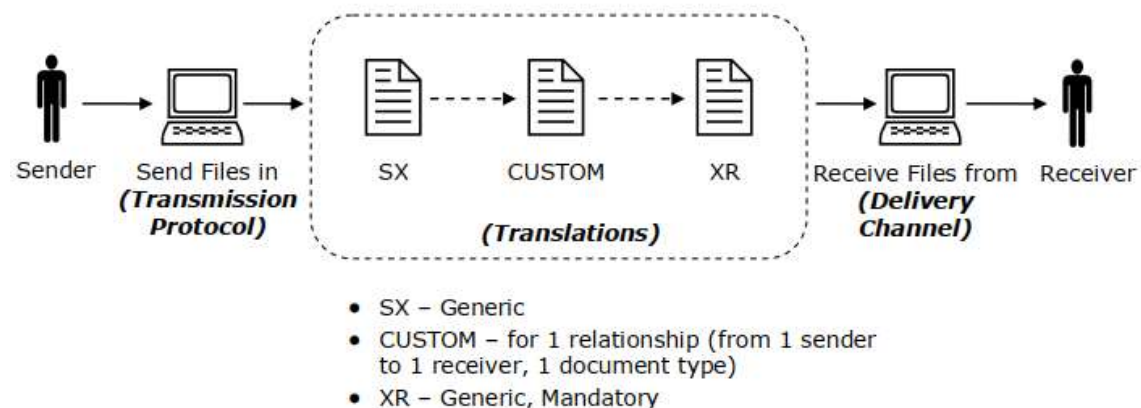
1. Optimize business processes to be electronic, not manual.
2. Improve cost savings.
3. Reduce environmental impact.
4. Increase responsiveness and customer service.

Document Standards

To meet the demands on the business environment, B2BE TDN is capable to handle any kinds of document, the following are but a few:

1. ANSI X12 (Any subset)
2. Tradacoms (Any subset)
3. UN/EDIFACT (Any subset)
4. ASCII (Fixed field or delimited)
5. CSV (Comma Separated Verification)
6. OCR (Optical Character Recognition)
7. cXML (commerce eXtensible Markup Language)
8. XML (Any dialect)

TDN Network Architecture

- SX – Generic
- CUSTOM – for 1 relationship (from 1 sender to 1 receiver, 1 document type)
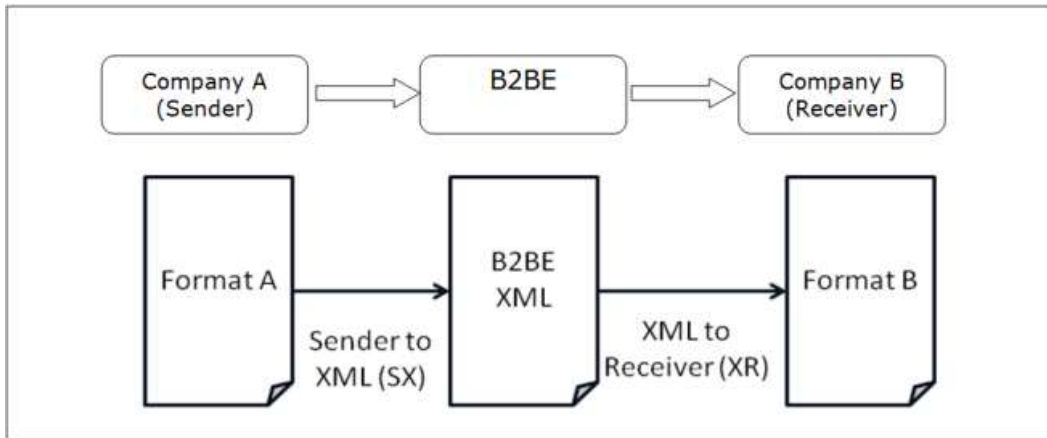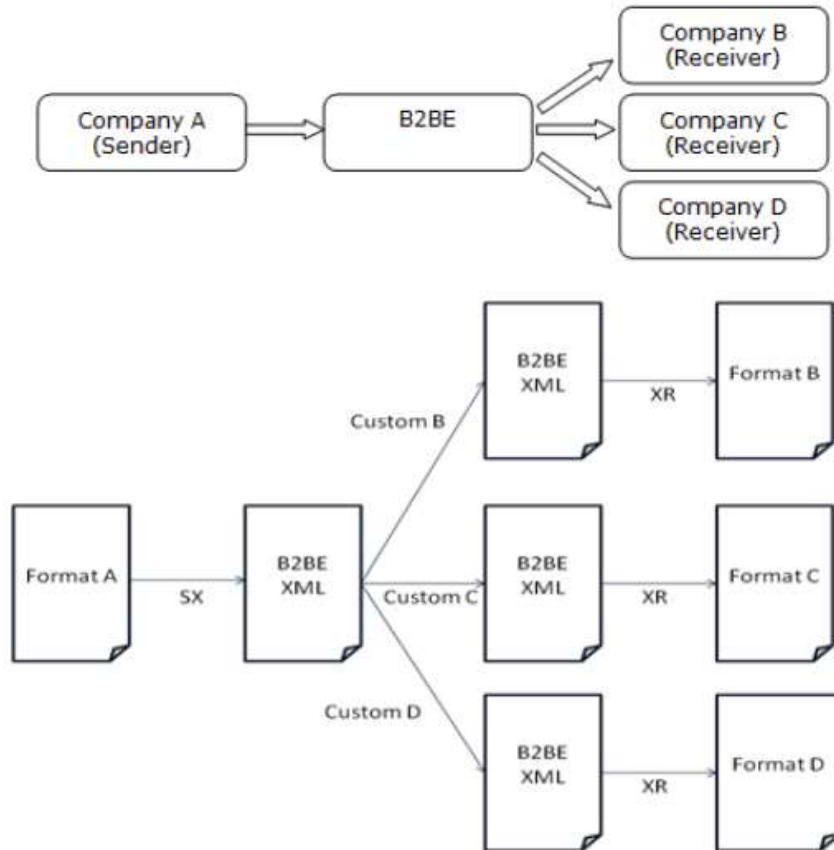- XR – Generic, Mandatory

Translation

Translations are the programs that responsible for the bulk of the document processing on TDN system. It is in-charged for the data validation and accuracy onto the documents which sent in by customer, before delivered them out to the receivers.

For each customer, document type and file format, we need to write individual translation program, to convert the file from one defined format into another. The translation program is mainly written in C++, html, SQL languages.

The general process of translations:

If the company A needs to trade with more than one trading partners, each of its trading partners consists specific requirements to fulfil every party's requirements, CUSTOM translation is needed to control all the customization logics and specific requirements for different trading partners.

Example

Tools

1. Project Manager – project management

2. Notepad++ – code editor

3. WinSCP – FTP Client

4. B2BE Client – file transmission

5. phpMyAdmin – database access

6. Translation Admin – compiler

7. V2 Admin – EDI management