ELECTRONIC DATA EXCHANGE

ANSI-12

- How many companies are using ANSI-12 for electronic data exchange:
  - If any, are these files imported and exported into your current system without any human intervention?
  - If not, is there any benefit of electronic data exchange?

EDI/ANSI-12

- Each company involved in the design of EDI developed their own transmission
  - The sender and receiver were required to contract in advance for a tailored mapping between their two types of datasets
  - Each time a new sender or receiver was added to the client list, a new translation program would be needed by the new party to format their data to conform to the standards in use by the participants
  - This becomes expensive

XML

I have talked to all of the vendors that I know that has measurement software, and it would not be difficult to create an XML using their software

XML/EDI

- XML/EDI provide a catalyst for building E-business solutions.
- To achieve these goals requires a method that is not only extensible into the future but also adaptable to incorporate new technologies and requirements.
- XML/EDI is the fusion of five technologies. It is the combination of capabilities that makes XML/EDI so powerful.

XML/EDI

- The five technologies are:
  - XML
  - EDI
  - Templates
  - Agents
  - Repository

XML/EDI

- XML provides the foundation. The Web was born on the abilities of the HTML language, itself a very limited subset of the original and highly complex SGML document syntax.
  - XML has been created that sits between the two, not as complex as SGML, but vastly more capable than HTML.

XML/EDI

- XML/EDI objectives is to make the transfer of data between organizations as easy as possible to the point this it is transparent to the user.
- The workflow of data should be able to route to a trading partner as easily as a colleague down the hall.
- This transparency is achievable with XML/EDI
- An EDI application for XML provides the structural complexity that supports and parallels today’s EDI transaction sets.

XML/EDI

- XML provides a rich document structure that can be nested to any level of complexity.
- By using the XML extensible tag sets, EDI “objects” can be either passed or dynamically reference to objects stored in repositories.
- XML can be used as a “carrier” for the document information so that the transaction can carry not only data, but also code (at each level in the transaction tree).

XML/EDI

- A primary objective of XML is to promote the use of “shrink-wrapped, plug-and-play” software.
- If you are in a small to medium size company, XML can become a key component of your own EDI system – then you can enjoy the benefits currently only available to larger companies, but at a fraction of the cost

XML/EDI

- NAESB has defined the documents needed for exchanging measurement data
- Provide these documents to all industry partners whether they are governed by NAESB by using the WEB
- Templates can be created from all of the work that was previously completed by NAESB

XML/EDI

- Notify all vendors with the requirements of creating a template for exporting and importing XML formatted data to see if you can get their support for this idea
- Identify any data variations that may be required for each document and define these variations
- By adopting this suggestion, you can expect to reduce future system maintenance cost