

The goal

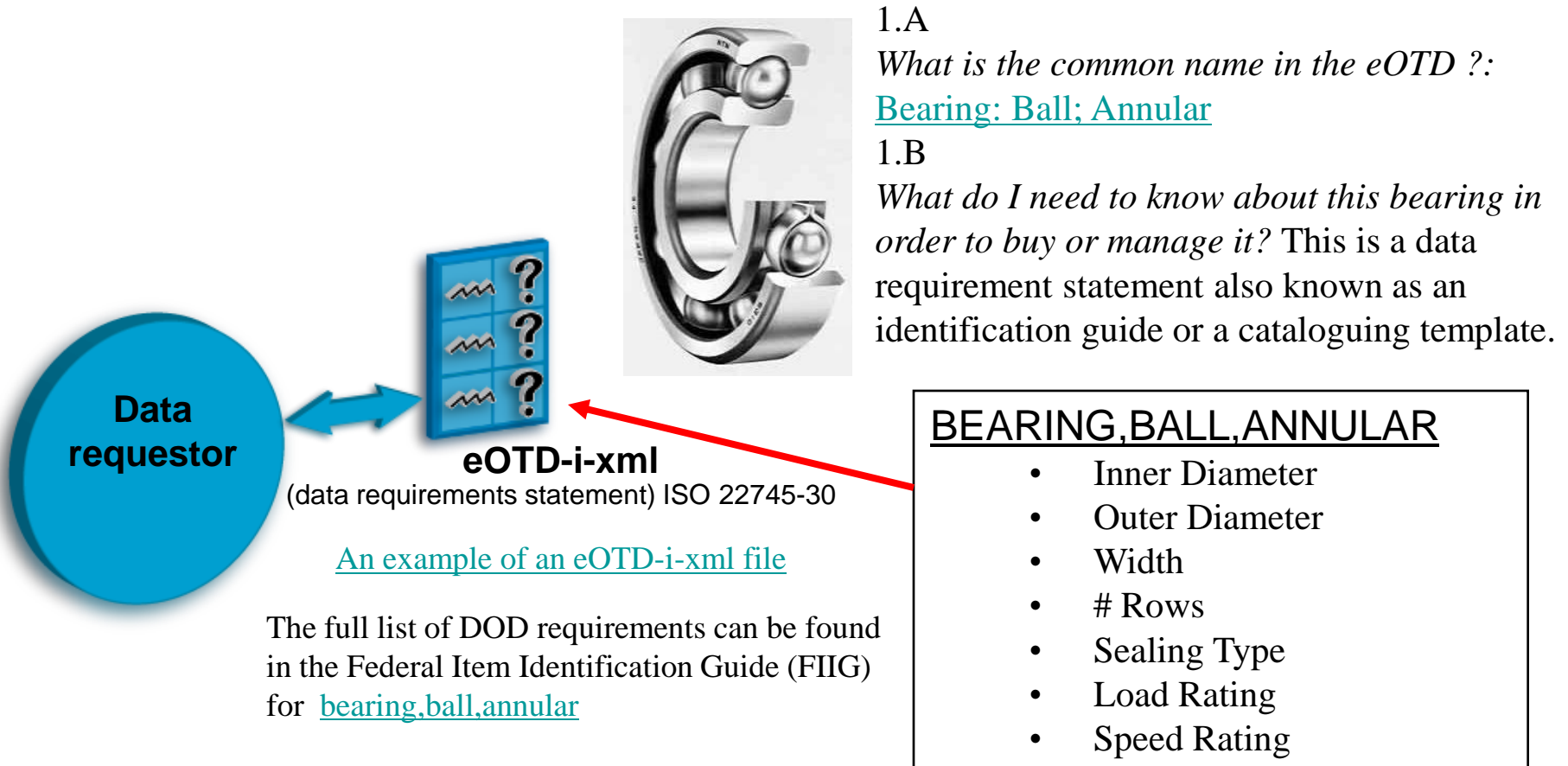
- To obtain the data necessary for the “safe and efficient” management of plant and equipment
 - Create clear and unambiguous requests for:
 - Characteristic data
 - The validation of characteristic data
 - Part numbers for items that match characteristic data
 - Automate the generation and distribution of requests for data in a simple format that can be automated by the recipient to create an integrated data exchange system.

Step 1

The buyer, item manager or user as the data requestor defines their requirements for data:

What is the item name and what characteristic data do I need?

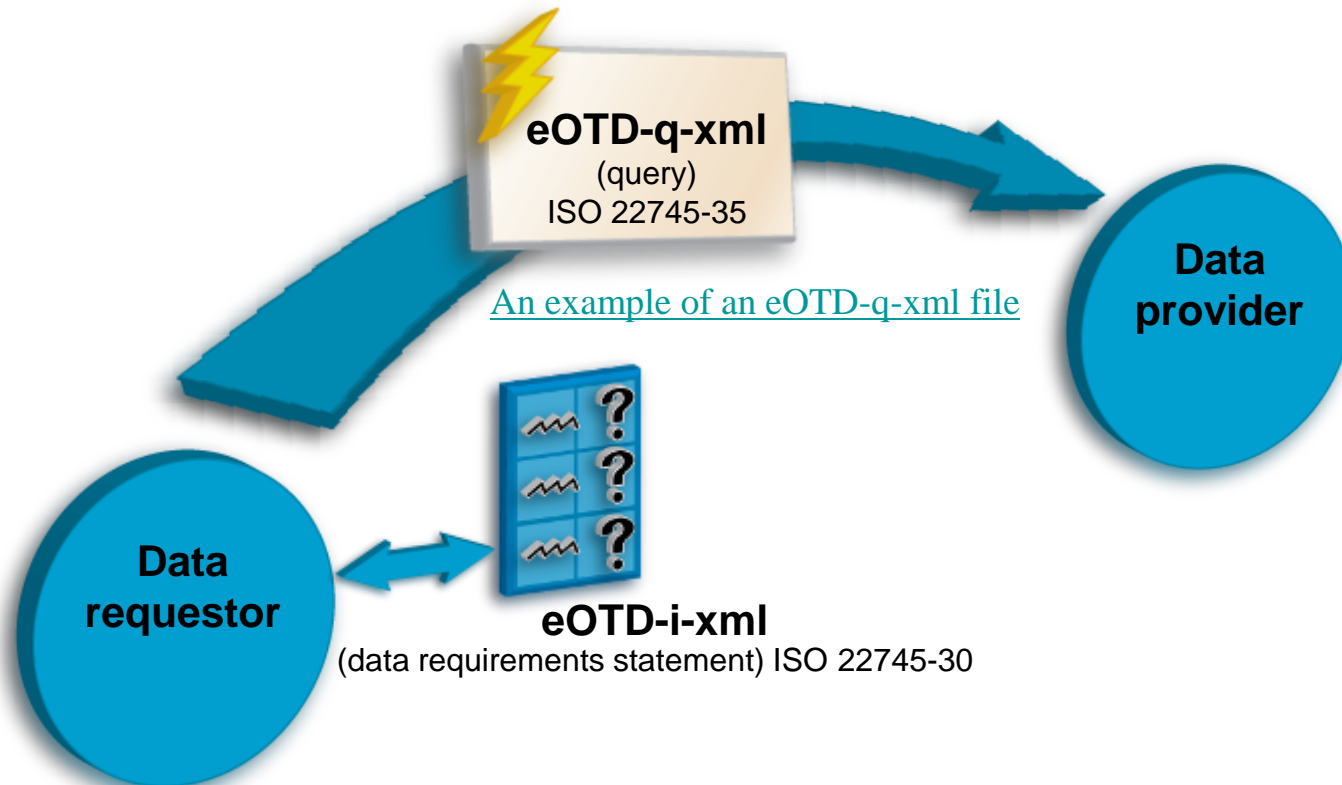
A data requirement statement is created as an eOTD-i-xml identification guide, an XML file that conforms to ISO 22745 part 30 in which the item name is the class and the characteristic data is represented by property-value pairs



Step 2

The buyer, item manager or user, as the data requestor creates a query and sends it to the supplier or manufacturer as the data provider

Please provide (validate) the specified characteristic data for the item identified by the reference (part number) or Please provide a reference (part number) for an item(s) that matches the specified characteristic data. A query is created as an eOTD-q-xml message, an XML file that conforms to ISO 22745 part 35 in which the item name is the class and the characteristic data is represented by property-value pairs. The file is sent as an attachment to an email.*

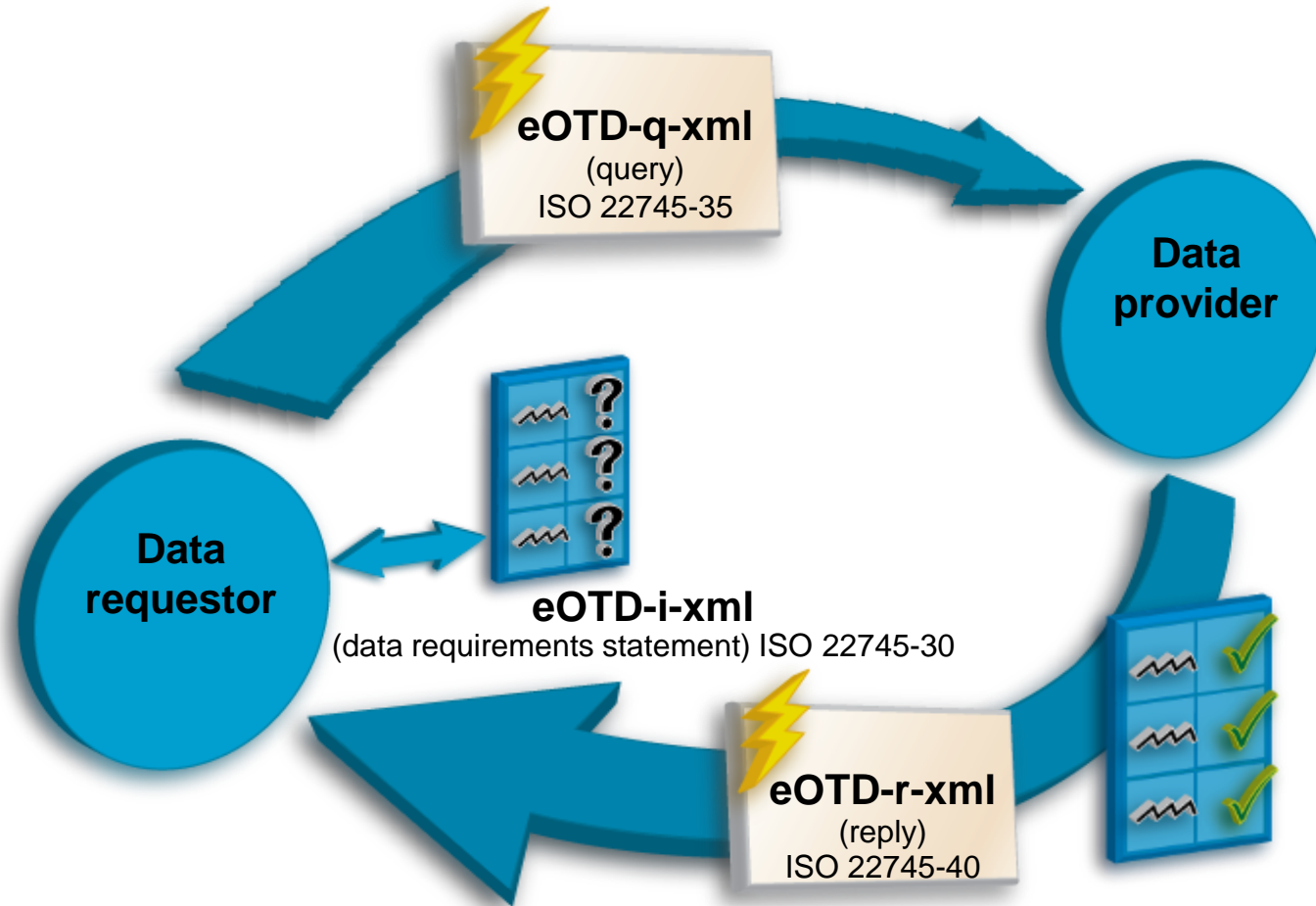


*It is a simple task to convert an eOTD-q-xml file to plain text in any format such as a spreadsheet, a word processed document, or even to a web page that can be easily filled in by the data provider

Step 3

The supplier or manufacturer as the data provider , sends the reply to the buyer, item manager or user, as the data requestor

The reply is created as an eOTD-r-xml*, an XML file that conforms to ISO 22745 part 40 in which the item name is the class and the characteristic data is represented by property-value pairs

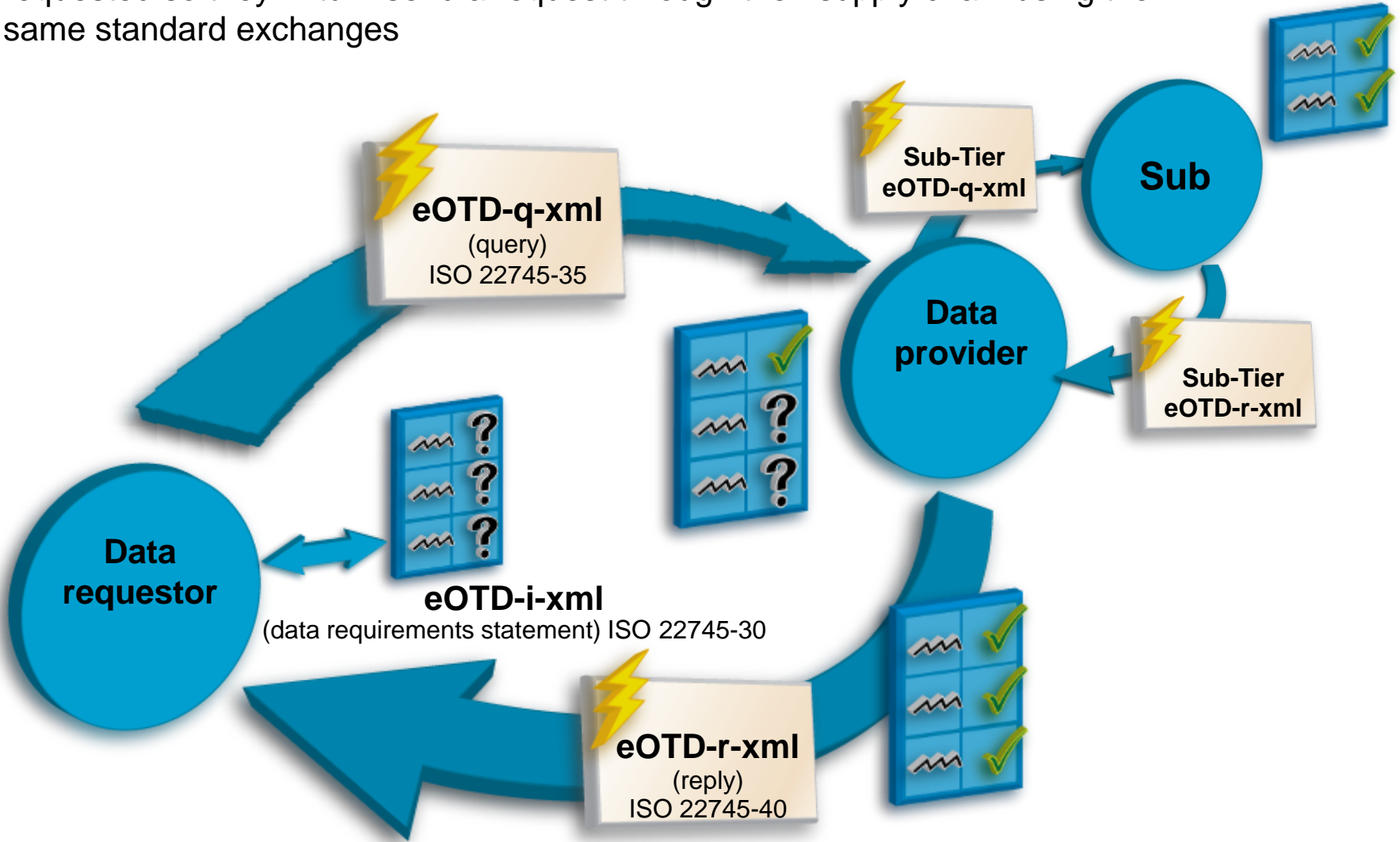


*As an alternative the data provider can return a filled in spreadsheet, word processed document or web page as this can easily be converted back to eOTD-r-xml by the data requestor

[An example of an eOTD-r-xml file](#)

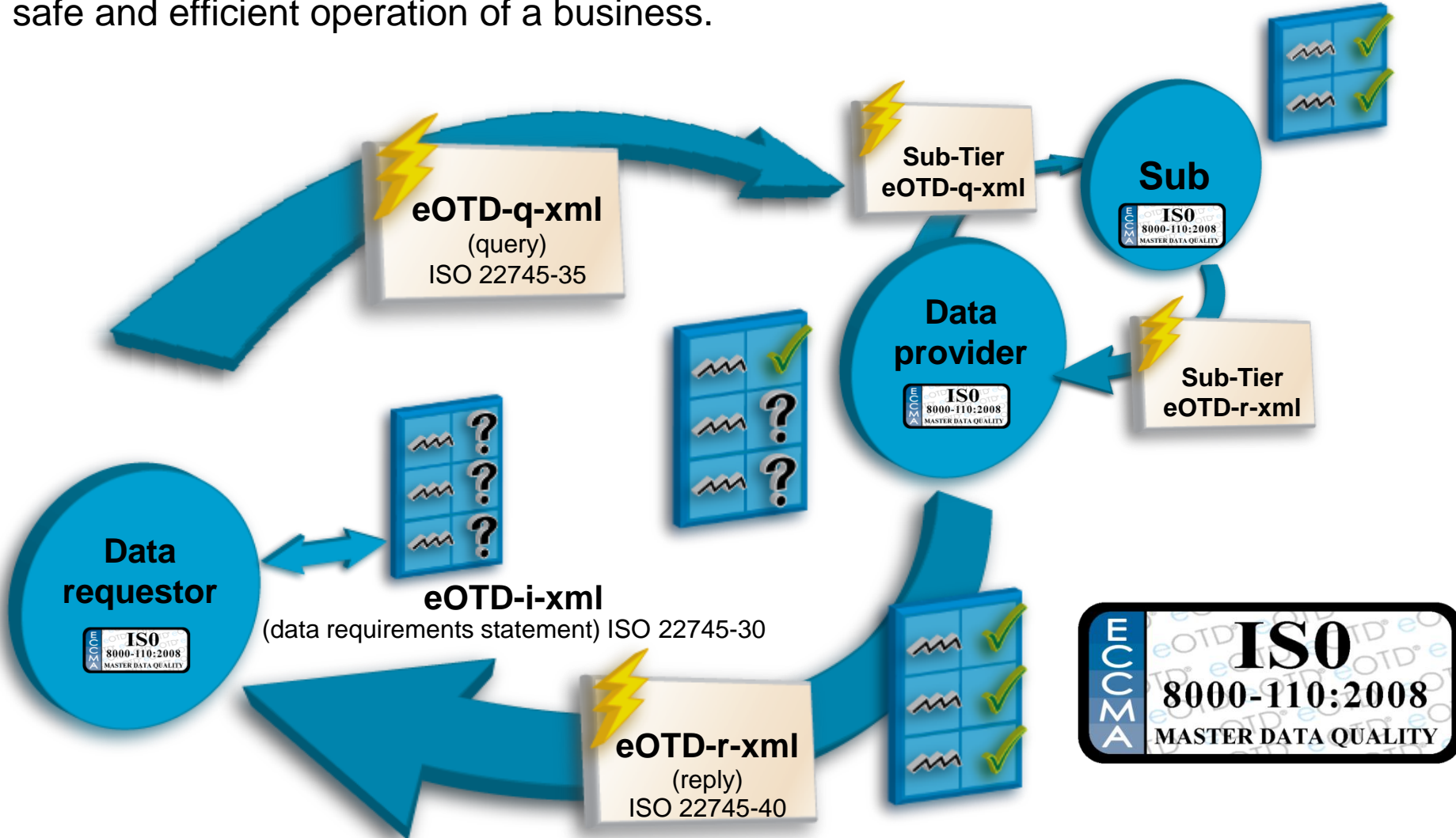
Step 3a

The supplier or manufacturer as the data provider does not have all the data requested so they in turn send a request through their supply chain using the same standard exchanges



[An example of an eOTD-r-xml file](#)

ISO 8000-110:2008 certification identifies a buyer, item manager or user, as the data requestor and a supplier or manufacturer as the data provider as organizations that understand how to create and exchange quality master data, data that describes individuals, organizations, locations, goods and services essential for the safe and efficient operation of a business.



Automating the data supply chain

Faster – better – cheaper

