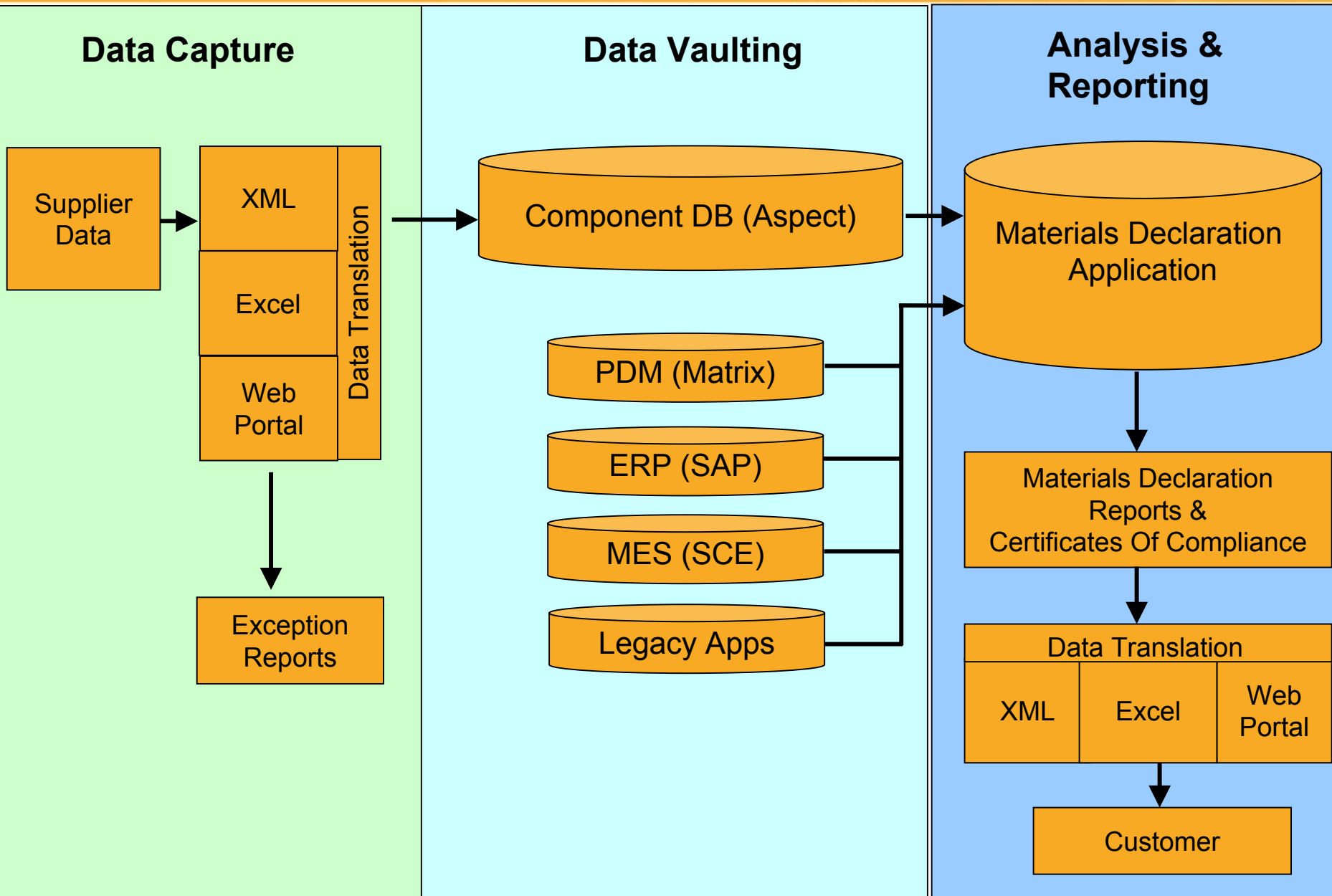




NEMI WEEE/RoHS Data Exchange Workshop

Aug. 30, 2004



Customers' Expectations (Celestica perspective):

- **Customers will want “On Demand” materials declaration requests as the most common method (Celestica to collect & store data & then provide as required)**
- **Customers will want various content / format requirements (6 banned -> full disclosure) plus “worst case” to “real time” accuracy.**
- **Celestica will have a controlled process irrespective of whether Customers will have new PN's for their compliant products.**
- **Celestica will abide by whatever Certificates of Compliance arrangements / methods of communication requested by the Customer.**

Major Business Processes Needing Updating:

- **Product Data Management (BOM/component setup)**
- **Supplier Management & Procurement**
- **Receiving Inspection**
- **Inventory Management**

Business Processes Needing Development:

- **Materials Declaration/Certificate of Compliance Processing**

Celestica's Expectations of our Suppliers:

- ***Requesting*** full disclosure
- ***Requiring*** info stipulated by law/legislation (JIG A & B + Japanese list)
- ***Requesting*** new MPN for compliant parts
- **Suppliers to have required info available in Sept. '04 (excel or Supplier web site)**
- **In the future, use standardized electronic transmission methods e.g. excel, RosettaNet, PDX, Suppliers' web sites & Celestica's self-serve web portal (after NEMI recommendations / industry standards established)**

Celestica Data Exchange Standards being adopted/developed:

- **Excel (via email)**
- **Self-serve web portal (Suppliers & Celestica)**
- **RosettaNet PIP 2A10 & 2A13**
- **PDX 2.0**

Issues:

- **Too many formats !**
- **Lack of standards – content, form layouts, communication etc.**
- **Too many types of customer requests**
- **Some suppliers & customers not changing PN's**
- **Long lead time for supplier feedback of data (high volume of info / add'l. resource load)**
- **Numerous laws / legislations by country – incl. various timings**
- **Changes in directives (e.g. homogeneous mat'l ruling) can cause multiple data collection requests from suppliers**
- **Lack of WEEE directive details – what info will OEM's & recyclers require from us ? – driving full disclosure**
- **Possible mis-match between recyclers reqm'ts & JIG (e.g. beryllium ppm threshold)**