**BOM PIM Pain Point Definitions (100625)**

| **Type** | **Pain Points** |
| --- | --- |
| **Search & Discovery Issues** | Limited ability to easily / quickly search for and reuse Molex designed features and components |
| Part information scattered across multiple systems / data sources and not connected / synchronized (ECTR, SAP, Molex.com, SharePoint, etc.) |
| **Duplication & Proliferation** | lack of standard approach of how BOM's are created and organized |
| lack of standard approach of how part information is organized |
| lack of ability to manage variants and options for a product / product family |
| **Data Entry & Manual Processes** | Lack of automation results in extensive manual data entry for BOM's and part information |
| Manual change mgmt process for BOM's and part information across multiple systems |
| Disconnected BOM management (ie: eBOM not connected to cBOM, cBOM not connected to mBOM, eBOM partially connected to mBOM, etc.) |
| **Data Integrity & Quality Issues** | Lack of digital BOM's available in plants resulting in potential quality issues (ie: Paper BOMs on shop floor no longer valid) |
| incomplete / incorrect / missing or missing part information |
| incomplete / incorrect / missing or missing material master information |
| lack of standard approach for material master data governance |
| Inconsistency / Duplication between systems resulting in unreliable information (ie: multiple sources of truth) |
| **System Integration Problems** | Lack of integration of digital thread between different BOM's (ie: eBOM to mBOM, cBOM to eBOM) |
| Part information scattered across multiple systems / data sources and not connected / synchronized (ECTR, SAP, Molex.com, SharePoint, etc.) |
| Due to Molex's depedency on documents, the ability to ability to update / locate / refine our data is very difficult |
| **Process & Workflow Inefficiencies** | Lack of harmonization of an eBOM to mBOM approach (people / process) across plants creates silos and disrupts data flow between departments, resulting in inefficiencies and bottlenecks. |
| Lack of harmonization of material master creation (people / process) across plants creates silos and disrupts data flow between departments, resulting in inefficiencies and bottlenecks. |
| Lack of business process (and possibly tools) to manage variants and options for a product / product family |
| **Change Management** | Changes to EBOMs and MBOMs managed in different systems resulting in redundancy and overlap |
| Lack of traceabilty for Material Master changes (no revision control for MM's) |
| Disconnect and lack of traceability between changes to mBOM to might affect the eBOM |
| Inefficient and non starndardized application of PCN Process resulting in customer frustration |
| **Knowledge Management Issues** | lack of standard approach of how BOM's are created, organized and maintained |
| No comprehensive / organized / standardized training programs leveraged on an ongoing basis. |
| **Business Impact** | Limited ability to easily / quickly search for and reuse Molex designed features and components |
| **Manufacturing-Specific Issues** | Lack of effective communication regarding the production readiness (ie: customer approval of samples, completion of full material master, quotes for purchased maeterials, etc.) |
| Lack of effective communication regarding the readiness of NPI parts (ie: approval to build samples, clarity of BOM, etc.) |
| **Organizational & Governance Gaps** | Lack of data governance for BOM's and part information management. Unclear ownership and lack of formal process tools to enforce governance |
| Poor execution of OCM and lack of business owernership for value creation resulting in poor adoption |