**BOM AND PIM CAPABILITIES AND MATURITY LEVELS (082825)**

**Maturity Level Definitions**

| **Level** | **Name** | **Definition** |
| --- | --- | --- |
| **5** | **Optimized** | Stable & Flexible. Organization is focused on continuous improvement and is built to pivot and respond to opportunity & change. This stability provides a platform for agility & innovation |
| **4** | **Quantitatively Managed** | Measured & Controlled. Organization is data-driven with qualitative performance improvements that are predictable and aligned to meet the needs of internal & external customers. |
| **3** | **Defined** | Proactive rather than reactive. Organization-wide standards provide guidance across projects, programs, and portfolios. |
| **2** | **Managed** | Managed independently. Each Business Unit independently plans and performs & manages work in a semi structured manner. |
| **1** | **Initial** | Unpredictable & Reactive. Work gets completed but is often delayed and over budget. |

**BOM and PIM Capability Feature Definitions and Levels of Maturity**

|  |  |  |  | **Maturity** | |
| --- | --- | --- | --- | --- | --- |
|  |  | **Capability** | **Definition** | **Current** | **Target** |
|  | **L2** | **Part Information Management** | The ability to collect, organize, monitor, report on, and disseminate basic facts, statistics, attributes, and data about a part/product. It ensures that accurate and up-to-date part and product information is available across various functional areas, facilitating decision-making and operational efficiency.  **Outcome (Master):** Accurate & comprehensive digital part information is immediately available to all functional areas | N/A | N/A |
|  | **L3** | **Part Information Access Management** | Capture, organize, and make accessible every change to facilitate easy tracking and sharing of information at each phase of the part life-cycle. This process includes linking all digital assets to parts, thereby providing a comprehensive and integrated view of part data, which supports efficient decision-making and operational processes.  **Outcome -** Part information is effectively managed at each phase of the part life-cycle | 1 | 5 |
|  | **L3** | **Part Information Integrity Mgmt** | Ensures that accurate and up-to-date product information is available across various functional areas, facilitating decision-making and operational efficiency.  **Outcome**: The integrity of part information is never compromised | 1 | 4 |
|  | **L3** | **Part Release Management** | Parts are released for use by ensuring every design change is justified with a business case, adhering to well-defined release criteria, and practicing common release processes across all functional areas.  **Outcome:** Parts are reviewed and released for use | 3 | 4 |
|  | **L3** | **Part Configuration Management** (BOM) | Parts are released for use by ensuring every design change is justified with a business case, adhering to well-defined release criteria, and practicing common release processes across all functional areas.  **Outcome:** Parts are easily and accurately combined to form new parts | N/A | N/A |
|  | **L4** | **Part Selection Management** | Optimally leveragepreferred materials and parts in design by instantly finding, vetting, and reusing existing parts, while consistently employing proven design standards.  **Outcome:** Preferred material and part are optimally leveraged | 3 | 5 |
|  | **L4** | **Part Standardization Management** | Minimize standardized component parts across all parts by maintaining a proven platform of standard parts and design elements, ensuring parts are easily identifiable by classifications and attributes.  **Outcome -** Standard component parts are rationalized and minimized across all parts | 2 | 4 |
|  | **L4** | **Part Optimization Management** | Part features are selected for effectiveness and profitability by ensuring they contribute to overall profitability, expedite program schedules, and provide immediate knowledge and awareness of part features and options  **Outcome -** Part features selected are effective and profitable | 1 | 4 |
|  | **L4** | **Part Substitute Management** | Identify and use alternate and substitute parts/components by ensuring visibility to accurate parts inventory, maintaining immediate knowledge and awareness of part features and options, and ensuring parts are easily identifiable by classifications and attributes.  **Outcome -** Alternate & substitute parts/ components are instantly identified and used when possible | 1 | 4 |
|  | **L4** | **Part Revision Management** | Properly configure revision and version sequencing, make component descriptions remain traceable throughout the part’s entire life-cycle, ensure knowledge and awareness of part features and options are readily available, and all part versions are accurately maintained.  **Outcome -** Revision/ version sequencing is properly configured | 1 | 4 |
|  | **L4** | **Part Information Harmonization Mgmt** | Part information is harmonized to flow seamlessly across departments by integrating with enterprise systems, maintaining a single source of truth, and consistently structuring information (i.e."documents") for delivery across departments.  **Outcome -** Part information is harmonized to flow seamlessly across departments | 1 | 5 |