



Implementation of a Parts Management Process

- MIL-STD-3018 *Parts Management*
- SD-19 *Parts Management Guide*

NOT MEASUREMENT
SENSITIVE

MIL-STD-3018
w/CHANGE 1
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SUPERSEDING
MIL-STD-3018
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SD-19
Parts Management
Guide



DEPARTMENT OF DEFENSE
STANDARD PRACTICE

PARTS MANAGEMENT





Minimum PM Elements

Part selection baseline. A corporate baseline (CB), parts selection list, to give visibility to designers and subcontractors of parts preferred for use

Part selection and authorization. The management and organizational structure for standardization Functions

Obsolescence management. The plan must include procedures for obsolescence management, such as proactive obsolescence forecasting and mitigation for applicable part types

Parts list or bill of materials (BOM). The plan must detail how and when the contractor submits initial and updated parts lists or BOMs to the government, as required by contract.

Subcontractor management. The plan must describe contractor procedures for establishing and maintaining subcontractor participation to the extent necessary to ensure satisfaction of the parts management objectives.

Part and supplier quality. The plan must describe provisions for assessing part suppliers and part quality, such as statistical process control data, audits, and past performance.

Part-level documentation procedures. Part-level documentation procedures must be detailed and consistent with the program's configuration management, logistics strategies, and total life-cycle requirements.



Minimum PM Elements

Substitute and alternate part procedures. The process for the management, definition, and documentation of substitute and alternate parts .

Replacement Process the contractor must ensure the program is consistent with the intent and application of SE disciplines (configuration management, quality, logistics, etc.).

Customer-contractor teaming. The parts management plan must address customer teaming to allow for continued insight into processes for program verification.

Counterfeit parts. Address the detection, mitigation, and disposition of counterfeit parts, including electronic, electrical, and mechanical parts. SAE International's AS5553 should be used for guidance for electronic parts.

Lead-free electronic parts. The parts management plan must address the process to manage the risk associated with using lead-free parts. TechAmerica GEIA-STD-0005-1 may be used for guidance for lead-free electronic parts.

Additional elements (lead free, counterfeit parts, etc.). The process for addressing those additional elements, as identified by contract, must be defined.

Parts Management Effectiveness (Metrics)



Implementation Subcommittee

- Standards – guidance define “*What*” – Not “*How*”
- PM implementation – Identify, Define and Create the necessary Policy, Procedures, & Infrastructure needed; and *How* to support the *Whats*