



The Plex Manufacturing Cloud: Pain-Free Compliance with Aerospace and Defense Regulations

Plex supports regulatory compliance for aerospace and defense manufacturers.

Plex Cloud ERP provides electronic documentation, comprehensive traceability and more – helping manufacturers achieve regulatory compliance with minimal business disruption or cost.

Compliance

AS9100 – AS9100 is one of the most difficult regulations for aerospace manufacturers to obtain. The latest Rev. C update enhanced its difficulty. Plex Cloud ERP provides strong traceability capabilities, document controls and record storage to help aerospace manufacturers maintain AS9100 compliance and avoid increased audit frequency.

TINA – The Truth in Negotiations Act (TINA) requires manufacturers to show that their bids and prices are based on the best information available at the time of negotiations. Plex Cloud ERP's request-for-quote function tracks all RFQs, along with responses. The system also supports complex costing models, and it captures pricing and cost data that users can access.

DCAA – Plex Cloud ERP tracks data needed for the Defense Contract Audit Agency's (DCAA's) detailed audits of accounting and manufacturing processes. The system includes fully traceable accounting procedures so users can show their ability to fulfill contract goals.

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ITAR – Defense manufacturers that export outside the United States must meet International Traffic in Arms Regulations (ITAR). ITAR helps prevent U.S. manufacturers from providing access to defense program information to companies outside the United States. Plex Cloud ERP maintains records of all supply-chain communications and limits access to individuals who meet ITAR. The system captures ITAR-required data including detailed part numbers, bills of material, process routers, quote histories and more. Plex Systems also provides verification of its status as a U.S.-based supplier, so users can show that doing business with Plex Systems meets ITAR requirements.

[Plex helps aerospace and defense manufacturers meet regulations easily, conveniently and affordably.](#)

Electronic Document Management

As regulators continue to expand their documentation requirements, it's become nearly impossible to achieve compliance using paper-based systems. Plex maintains documentation electronically, supporting a paperless environment and streamlining audits.

Part Traceability

Plex tracks and maintains unique identifiers for each part, including when the part was manufactured, by whom, where and how. These records help companies meet traceability reporting mandates and make it efficient to respond to audits.

WBS Management

Plex helps users develop, monitor and update Work Breakdown Structures (WBSs). It includes document and revision controls that track engineering change requests (ECRs) and require approvals whenever edits are made. Plex's configuration management functionality synchronizes BOMs, routings and specifications

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between engineering and manufacturing. Manufacturers easily gather and display details for auditors.

Detailed Cost Tracking

Plex Cloud ERP captures cost elements across program lifecycles in order to track and execute progress payments, automate billings and track long-term revenues. It tracks project costs and inventory all the way through the Work Breakdown Structure (WBS). Users accurately track final costs through BOMs, routings, cost histories, purchased quotes and other sources.

Single, Integrated System

Plex integrates the capabilities of ERP with all other functions needed to manage a manufacturing enterprise. It includes manufacturing execution system (MES), quality management and shop-floor functionality. The system manages BOMs, purchasing, receiving, inventory, scheduling, shipping, EDI, subcontracting, financials, human resources and more.

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