

White Paper

TMIS

Technical Manual Information System

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U.S. AIR FORCE

Background

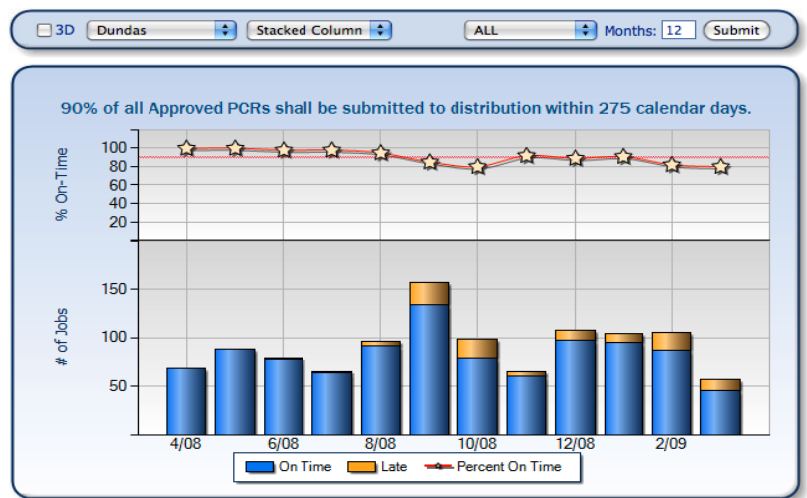
The Technical Manual Information System (TMIS) is a web based system that was developed by a team of highly skilled and experienced software developers with strong backgrounds in Air Force Technical Data management. The TMIS management staff has a combined 15 years of experience in developing applications that enable real time tracking and visibility of the development, acquisition, sustainment, indexing, and distribution of Air Force Technical Orders. The TMIS Management team possesses an extensive knowledge of the processes that currently support the end to end management of USAF C-5, U2, F-15 and other weapons systems, tools, and test equipment commodity manuals and aircraft manuals. The TMIS application is currently being used to manage over 70% of the Air Force Technical Order inventory.

TMIS was developed to address urgent customer needs, the first of which was Configuration Management. Following a thorough analysis it was determined that thousands of TO files were spread over several file servers. Determining the most recent TO file could take between 3 to 5 hours of research by the designated TO Manager. The time spent “off task” by the TO Managers often resulted in bottlenecks in the TO process and most importantly, the incorrect TO file being distributed to the field users.

The second need of the customer was visibility. With several “stovepipe” applications being utilized, there was no insight into the health of the TO process at any given point or time. Once the TO Manager initiated an action against a TO, the TO Manager was out of the loop until the end of the complete

TO process. Any issues in the TO process were addressed reactively by the staff.

The third need of the customer was the ability to capture performance metrics and provide management reports. The previous stovepipe applications required that all metrics and reports be built manually by analyzing the available data. This process often required Managers and Supervisors to spend upwards of two weeks to meet their reporting deadline. This time off task often resulted in severe lack of proper workload distribution which caused late TO deliveries and late or inaccurate management reports.



Imagine the Possibilities...
Realize the Solutions...

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TMIS Implementation

Data Visualization

A Data Management System is only as useful as the data it provides. TMIS utilizes third party charting tools to provide dynamic data visualization. TMIS provides not only pertinent metrics data, but the ability to drill down into the charts for detail data that explains the aggregates represented in the chart. The use of .Net technologies allows for run time user specification of chart types, colors, and data sets. Users enjoy a clear, concise, and visually appealing experience while viewing actionable data. TMIS reports are used for trend as well as causal analysis. TMIS users and managers now have the ability to capture pertinent data and with the click of a mouse, produce practically any custom built report necessary for management reporting. The health of the TO process is no longer a question.

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