

A photograph of a white commercial airplane at an airport gate, with a jet bridge connected to its cabin door. The scene is set against a cloudy sky. The image is overlaid with a dark blue gradient at the bottom.

Airline Rule Management

**Elevating Effective and Sustainable
Management of Crew Planning Rules**

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In the dynamic aviation industry, effective management of crew planning rules is essential for maintaining compliance, optimizing operations, and ensuring the safety and well-being of crew members.

Airlines face the ongoing challenge of integrating and updating complex rules derived from regulatory requirements, union agreements, and operational guidelines.

A structured, centralized approach to managing these rules is crucial for operational efficiency.

The Need for a Single Source of Truth

Traditionally, airlines have relied on disparate systems and manual processes to manage crew planning rules. These methods often led to inefficiencies, higher operational costs, and increased risks of non-compliance. The lack of a centralized approach made it difficult to maintain a comprehensive view of all rules and guidelines, resulting in fragmented and redundant workflows.



Challenges in Crew Planning Rule Management

Lack of Transparency

Existing crew planning rule management systems often lack historical documentation, making it difficult to trace back their evolution and to have a comprehensive view of all planning guidelines. This obscurity can lead to inefficiencies, misinterpretations, and compliance issues.

High Maintenance Efforts

Managing crew planning rules across various systems, departments and stakeholders can lead to redundant workflows, increasing the risk of inconsistent rule implementation and higher maintenance efforts. This redundancy not only wastes resources but also complicates the rule management process.

Compliance and Control Issues

Decentralized documentation and system-specific rule management result in reduced control and additional compliance challenges, putting operational efficiency and crew satisfaction at risk. Ensuring compliance with regulatory requirements and union agreements becomes a daunting task without a unified approach.

Risk of Losing Tribal Knowledge

Over the years, many employees have built up extensive tribal knowledge. During COVID, many of these individuals were let go for cost reasons, and others are approaching retirement. This creates a significant risk of losing production-critical knowledge if it is not properly documented, making knowledge transfer essential for maintaining operational continuity and efficiency.

A Methodological Approach with M2P

To address these challenges, M2P Consulting offers a methodological and sustainable approach to rule management. By providing comprehensive consulting services that include an initial status quo check, data clean-up and change management, and defining To-Be Processes, M2P ensures that airlines can effectively manage their crew planning rules in the future. From our perspective three

documents and system configurations are easily accessible and manageable. This centralized approach eliminates the confusion and inefficiencies associated with managing multiple systems.

Enhanced Transparency

M2P's approach facilitates a comprehensive overview of all crew planning rules and their associated parameters, increasing transparency and control. This feature facilitates compliance and reduces the

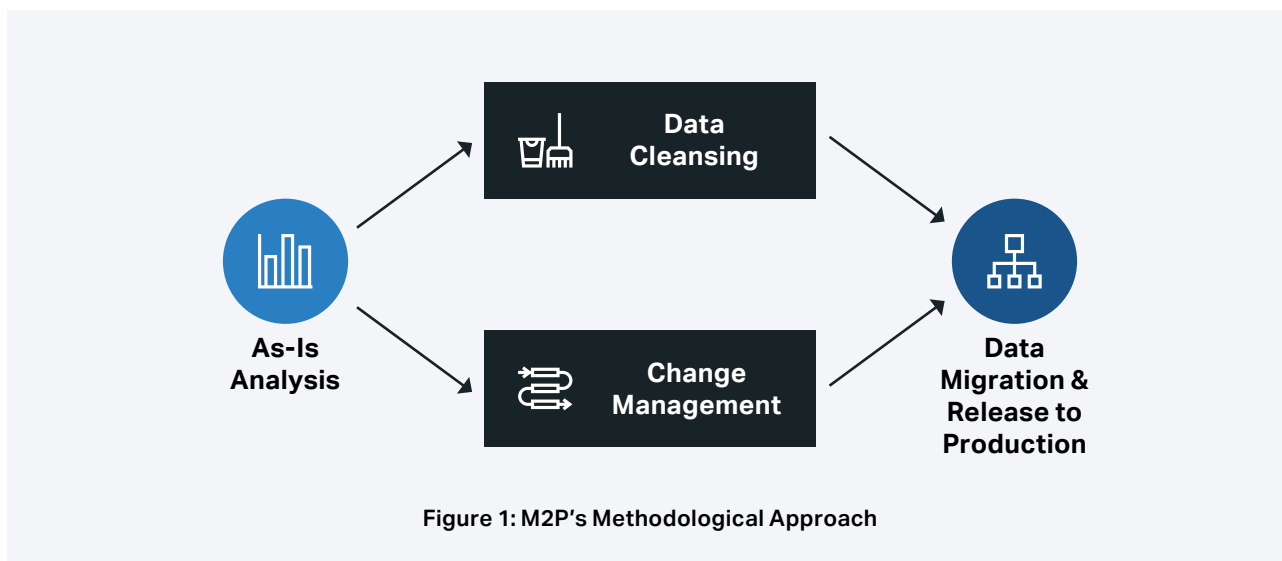


Figure 1: M2P's Methodological Approach

data layers source document, rules, and technical implementations from planning systems must be considered in order to proceed in a structured manner.

Our approach sets the base for systematically analyzing numerous combinations of different rule spheres, providing the ability to perform bidirectional analysis. This enables airlines to assess the feasibility of shifts under existing rules and the cost/benefit implications of potential rule changes.

Key Features of M2P's Methodological Approach

Centralized Management

M2P's approach offers a single repository for all crew planning rules, ensuring that all rule-related

risk of inconsistent rule implementation, ensuring that all stakeholders are on the same page.

Reduced Effort

M2P streamlines crew rule management processes, reducing the time and effort required for rule implementation, system configuration, and testing. By automating and simplifying these processes, M2P allows organizations to focus on their core operations and improve crew satisfaction.

Regulatory and Union Compliance

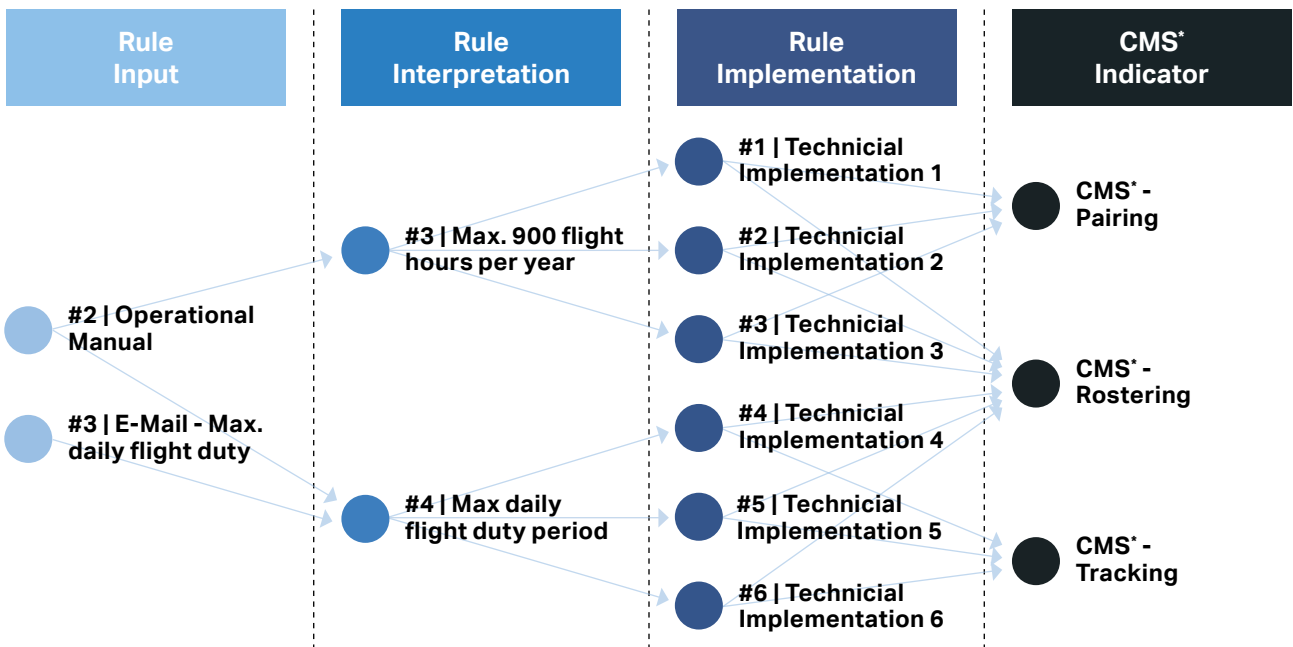
M2P ensures that all crew planning rules comply with regulatory requirements (e.g., EASA, FAA) and union agreements, reducing the risk of non-compliance and associated penalties.



How Rule Connect Helps

RuleConnect, a tool provided by Inocon Solutions, supports M2P's methodological approach by linking the three relevant data layers documents, rules, and technical implementations. This integration ensures that any updates to the source documents

automatically trigger notifications to the associated rules and implementation details, maintaining consistency and compliance across all systems. RuleConnect provides diverse filter options and full text search to find content quickly. This integration ensures consistency and compliance, making it easier to manage and access complex rule sets.



* CMS = Crew Management System

Figure 2: Exemplary illustration of interconnectivity between source document, rule and technical implementation



Benefits of M2P's Approach to Rule Management

Increased Efficiency

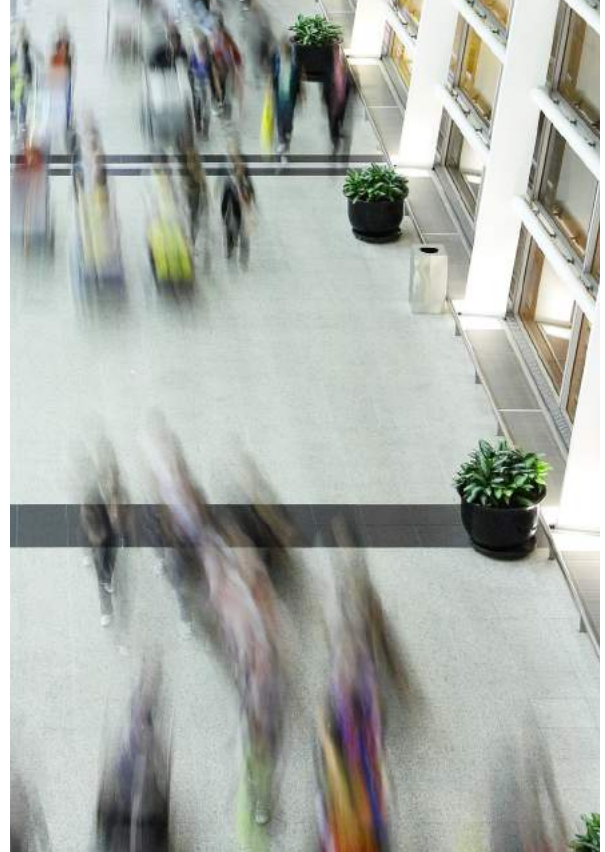
Streamlining rule management reduces redundant workflows and maintenance efforts, translating to cost savings and improved operational performance.

Improved Compliance

Transparent and consistent rule implementation supports regulatory and union compliance, making it easier to meet all requirements.

Enhanced Decision Making

A clear overview of all rules and parameters supports better decision-making processes, allowing quick adaptation to change in regulatory requirements and union agreements.



Contact Us

For more information about how M2P's methodological approach to rule management can transform your crew planning processes, visit our website or contact us directly:

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