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Collaborative data-driven decision-making tool designed to facilitate cooperation between civilian and military entities. It provides customized dashboards for reporting military demand, airspace utilization, impact on civilian traffic, and mission effectiveness at national and regional levels. Users can generate interactive reports, view archived data, and develop tailored analyses to meet specific needs.

PRISMIL is an On-line Civil-Military Performance Measurements System at national, FAB and pan-European level which provides:

Key functions:

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1. Data collection and integration
2. Pre-built Performance indicators with Multidimensional view and aggregation
3. Combined use of civil and military performance indicators
4. On-line data querying , reporting and dashboard with Data access control

PRISMIL-CURA utilizes Oracle Business Intelligence Enterprise Edition (OBIEE) solutions to provide comprehensive data oversight. OBIEE offers robust analytics and reporting tools, enabling the creation of customized dashboards and reports to track various aspects of military-civil cooperation, such as airspace utilization, impact on civilian traffic, and mission effectiveness. OBIEE aids in the development of interactive analysis tools, facilitating quick and efficient decision-making.

PRISMIL-CURA – Data: Local ASM (LARA PRISMIL Interface)

The "Local ASM (LARA PRISMIL Interface)" data may represent information exchanged between PRISMIL-CURA and the LARA system regarding local airspace management activities, such as airspace restrictions, flight planning, and coordination between military and civilian aviation authorities. Typically, such interfaces facilitate the exchange of data between different systems to enhance coordination and decision-making processes.

PRISMIL-CURA is a system focused on performance reporting and integrated management of military aviation operations, while LARA (Local and Regional Airspace Management) likely deals with airspace management at local and regional levels. Therefore, the interface between the two systems likely allows for the exchange of relevant data related to airspace management activities, military flight operations, airspace restrictions, civilian air traffic management, and other related information. LARA stand for "Local and Regional Airspace Management," as mentioned earlier, indicating a system responsible for managing airspace at the local and regional levels. "Diane"

another system or database involved in the context of aviation or military operations. Therefore, the "Local ASM (LARA & Diane)" data represents information exchanged between PRISMIL-CURA and these two systems concerning local airspace management activities, including airspace restrictions, flight planning, and coordination between military and civilian aviation authorities, possibly incorporating data from both LARA and Diane systems.

"NM" stands for "Network Manager," which could refer to a central authority responsible for managing air traffic flow and navigation within a specific airspace or region.

"ENV" refer to environmental data, including factors such as weather conditions, pollution levels, or other environmental variables relevant to aviation operations.

"ETFMS" stands for "Enhanced Tactical Flow Management System," which is a European air traffic flow management system used to optimize air traffic flow and minimize delays.

Therefore, "PRISMIL-CURA – Data: NM (ENV & ETFMS)" that PRISMIL-CURA integrates data from the Network Manager, specifically environmental data (ENV) and flight management data from the Enhanced Tactical Flow Management System (ETFMS). This data integration enables comprehensive analysis and decision-making regarding military aviation operations, airspace management, and environmental factors. "Flight Trajectory Models" refers to mathematical models or simulations that predict the flight paths of aircraft based on various factors such as current air traffic, weather conditions, aircraft performance, and airspace constraints. Therefore, "PRISMIL-CURA – Data: NM (Flight Trajectory Models)" indicates that PRISMIL-CURA incorporates data from the Network Manager related to flight trajectory models. This data would provide insights into the predicted paths of aircraft within a specific airspace or region, enabling better planning, coordination, and decision-making for military aviation operations. Key Performance Indicators are metrics used to evaluate the effectiveness and efficiency of processes, operations, and activities within PRISMIL-CURA. These KPIs serve as benchmarks for assessing performance, identifying areas for improvement, and measuring progress towards organizational goals. Examples of KPIs within PRISMIL-CURA may include metrics related to airspace utilization, mission effectiveness, operational efficiency, safety performance, and coordination between civilian and military entities. An online demonstration (DEMO) of PRISMIL-CURA would be a virtual presentation or interactive session showcasing the features, functionalities, and capabilities of the PRISMIL-CURA system. During the demonstration, users may have the opportunity to explore the user interface, view sample dashboards and reports, interact with simulated data, and learn about the system's various modules and tools.

The purpose of an online DEMO is to provide stakeholders, potential users, or interested parties with a firsthand experience of PRISMIL-CURA's capabilities, allowing them to assess its suitability

for their needs and objectives. It serves as a way to introduce the system, highlight its key features, and demonstrate its value proposition in a controlled and informative environment.

PRISMIL-CURA is exploring or implementing a proof of concept (POC) related to Big Data. "Big Data" refers to large and complex datasets that traditional data processing applications may struggle to handle.

The proof of concept involves experimenting with methods, tools, or technologies to effectively collect, process, analyze, and derive insights from large volumes of data within the PRISMIL-CURA system. The goal of this initiative may include assessing the feasibility, scalability, and potential benefits of integrating Big Data capabilities into PRISMIL-CURA for improved decision-making, performance monitoring, and operational efficiency.

Conclusion

In summary, PRISMIL-CURA offers a comprehensive solution for enhancing collaboration between civilian and military aviation operations. Integrated data sources and advanced analytics enable monitoring of key performance indicators and airspace utilization. Customizable dashboards and Big Data exploration highlight its commitment to technology-driven decision-making. Proof-of-concept initiatives and online demos showcase its forward-thinking approach to modern aviation management

References

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