AIRPORT KIRIBATI AUTHORITY

CRV PRESENTATION

THE NEED FOR ENHANCED CONNECTIVITY

Connecting Kiribati's Airports for a secure and reliable communication

➢ Kiribati's airports face unique challenges in maintaining secure and reliable communication.

➢ Isolated locations and limited infrastructure hinder efficient operations.

➢ A robust and secure network is crucial for passenger safety, operational efficiency, and national security.

➢ This presentation explores the potential of an Asia Pacific Common Regional VPN (CRV) to address these challenges.

CURRENT AIRPORT INFRASTRUCTURE CHALLENGES

Current Limitations in Kiribati Airport Networks

➢ Limited bandwidth and unreliable internet connectivity.

➢ Vulnerability to cyber threats due to outdated security systems.

➢ Difficulty in sharing critical information between different airport locations and authorities.

➢ High costs associated with maintaining separate, independent networks.

BRIEF HISTORY OF COMMUNICATION

➢ As pert the ICAO AFTN/ATN Network Diagram, Kiribati connects to Nadi on AFTN because Kiribati is under Nadi FIR.

➢ In 2015 the Comsoft AMHS CADAS system was installed, operates for about 2 years before it fails until to-date.

➢ Without the AFTN, flight coordination is conducted through telephone and email.

➢ This independent network is inefficient and vulnerable to cyber threats.

ADDRESSING HISTORICAL CHALLENGES

➢ Historically, ANSPs in the Asia Pacific region operated independent networks leading to several challenges

➢ Managing and coordinating multiple disparate network was difficult and inefficient

➢ Independent netweoks were vulnerable to cyber threats and lacked standardized security protocols

➢ Sharing information between airports and ANSPs was cumbersome and time-consuming

➢ However, the introduction of CRV addresses these challenges by providing a single, secure, and robust network infrastructure for the entire region.

➢ Kiribati is keen to learn more of the CRV and its benefits

BENEFITS FOR KIRIBATI AIRPORTS

➢ Since Kiribati has not implemented CRV, it would be good to learn more on the following for consideration;

   ➢ Security protocols

   ➢ Efficiency

   ➢ Cost savings

   ➢ Connectivity

   ➢ Disaster Recovery

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  ➢ Briefly describe successful VPN implementations in other airports or similar contexts.

  ➢ Highlight key benefits and lessons learned.

CONCLUSION

➢ Kiribati would look forward to implementing the Asia Pacific CRV with the support of regional partners

➢ Given that CRV is considered to be a significant advancement in aviation communication infrastructure for the region, it would be a transformative opportunity for airports in Kiribati in enhancing security, improved efficiency and cost effective.

➢ Kiribati is in great support of the CRV as it provides a secure, reliable, and cost-effective solution for connecting airports and ANSPs, enhancing operational efficiency, and improving passenger safety.

➢ However, further clarification would be required for the Board's consideration and approval especially for the cost needed.