

Airspace Re-sectorization Study in the Support of the New Vientiane Approach Control Center and the Vientiane Area Control Center

Presented by Lao PDR

19/2/2019

Headlines

1. Motivation
2. Progress made from the re-sectorization project.
3. Future Work

Motivation

1. Increase of the Air Traffic within Vientiane FIR,
2. ATC Workload,
3. Need to improve the airspace capacity,
4. Need for the analysis of the traffic forecast in the region,

Progress made from the resectorization project.

No	Activities	Status	Target Date	Responsible Bodies
1	Airspace & Sectorizations	<ul style="list-style-type: none"> ➤ Designation of the (CTR) ➤ Designation of the (TMA) ➤ Designation of the (Sectors) - APP Sector "4 Sectors" - ACC Sector "Current 2 Sectors add 2 more sectors" - Lower Airspace (GND-F195) - Upper Airspace (F195-UNL) 	<p>completed/2016 completed/2016 Completed waiting for the approval</p> <p>Waiting for the approval (3/18)</p> <p>Waiting for the approval</p> <p>Waiting for the approval</p>	<p>DCA+LANS DCA+LANS</p> <p>ATSC & AIS</p>
2	Manpower	<ul style="list-style-type: none"> ➤ ATCs 30 at the Control Tower - TWR – 13 ATCOs - APP Center – 17 ATCOs ➤ 55 More ATCs are needed for the APP Center 	<p>Completed</p> <p>15 ATCs within 2018</p>	<p>ATSC</p> <p>LATM</p>
3	Procedures	<ul style="list-style-type: none"> - Review ATS Manual - Review SOP & LOA - AIP 	<p>April 2019</p> <p>April 2019</p> <p>May 2019</p>	<p>ATSC & CIT</p> <p>ATSC & CIT</p> <p>AIS</p>
4	Technical Equip	<ul style="list-style-type: none"> - Control Room - HMI - Software install - VCCS Config - Radio Com Test - Met info - Frequency approval 	<p>Completed</p> <p>Completed</p> <p>Completed</p> <p>Completed</p> <p>Completed</p> <p>2019</p> <p>2019</p>	<p>CT</p> <p>CIT</p> <p>CIT</p> <p>CIT</p> <p>ATTSC</p> <p>CIT/AIS</p> <p>DCA</p>

Progress made from the resectorization project.

No	Activities	Status	Target Date	Responsible Bodies
6	Licensing	<ul style="list-style-type: none"> - Approach procedural rating - Approach Surveillance Rating - Aerodrome Control Rating 	<p>Completed</p> <p>Completed</p> <p>Completed</p>	<p>ATSC & DCA</p> <p>ATSC & DCA</p> <p>ATSC & DCA</p>
7	Safety Assessment	<ul style="list-style-type: none"> - Hazard Identifications and Risk Management - Safety Assessment before phase II 	<p>April 2019</p> <p>April 2019</p>	SMS LATM & DCA
8	Migration	<ul style="list-style-type: none"> - Phase I Sector 1 (VTN TMA) - Phase II Sector 2 & 3 (North) - Phase III Sector 4 (South) 	<p>June 2019</p> <p>June 2019</p> <p>June 2019</p>	LATM
9	AIS	<ul style="list-style-type: none"> - AIP Update 	2019	AIS office

Future Work

- Currently, Lao Air Navigation Services is proposing to the government for the future work on the establishment of the Vientiane Approach Control Center (5 TMAs) and Re-sectoring from 2 Sectors to 4 Sectors for the Area Control Center.

Future Work

PBN Route Study per ASEAN ATM Master Plan, Lao PDR has put in place RNAV2 as the PBN specification for en-routes phrase. It is suggested that the ASEAN have to come up with only 1 option for the PBN specification as specified in the ASEAN ATM Master Plan (RNAV2/RNP2) If so, how ASEAN needs a CBA and Simulation Study? to support the decision-making.

Future Work

PBN Route Study for ASEAN:

1. Scope: Short/long term benefits
2. Stakeholders involved?
3. Methodology for the data gathering?
4. So on.....

Thank You for Your Attention