

General Authority of Civil Aviation	Air Navigation Safety Leaflet Notice	
Safety & Air Transport	Applicability: OEMA Madinah PMIA Airport Operations	Number: 2015/01
		Issued: 29 March 2015

Operational use of the new Taxiways and East Apron at OEMA — Madinah / Prince Mohammad Bin Abdulaziz International

1. Background

1.1. Under the development of Madinah airport airside infrastructure facilities, the airport operator (Tibah airports development Co.) in coordination with the General Authority of Civil Aviation (GACA) has undertaken the following construction and upgrading activities:

- Upgrading of the existing runway 35-17 and associated taxiways to handle Code letter F aircraft such as A380 in accordance with international requirements.
- Extension of the existing runway 35-17 so that it will be possible to conduct direct flights with wide-body aircraft such as B747, B777, A380 at maximum take-off weight without the necessity to make technical En-route stops.
- **Provision of new taxiways and apron areas to create a connection between the upgraded runway 35-17 and the new Passenger Terminal Building (PTB).** All these new airside facilities are able to handle Code Letter F aircraft.

2. Co-ordinated Management of East movement Areas.

2.1. Due to the limited visual surveillance from ATC TWR on the new East Apron Areas and associated taxiways, GACA and the airport operator (Tibah airports development Co.) agreed to re-define and classify TWYs “L”, “M”, and portion of TWYs “N” and “P” located East TWY “L” as part of the non-maneuvering area as illustrated in Appendix A.

2.2. The new classification of Taxiways will reduce Safety risks for aircraft ground movements on the new East Apron Areas and maintain the required level of efficiency and flexibility for ground movements on areas adjacent and linked to Taxiways “L” and “M”. In addition, the Safety assessment of the aircraft ground movements has identified the following technical and operational mitigations that have been implemented:

- › Use of rapid exits associated with Runway 35-17 as normal exits. All rapid exits signage has been removed;
- › Designation of links between Taxiway “L” and “J” facing J2 and J3 as Taxiway K and Taxiway W as illustrated in Appendix B;
- › Use of Taxiway “J” and “J1” as mandatory exits for all traffic landing on Runway17 unless otherwise instructed by ATC TWR.

2.3. All these mitigations and the extension of East Apron Areas have been covered through the following NOTAMs ref: OEJD A0178/15, OEJD A0179/15 and OEJD A0180/15.

2.4. For the operational activities, Madinah ATS Unit and Tibah airports development Co. have agreed to adopt **coordinated East Apron areas management service between ATC Tower and Tibah Operations | AOC is where radio control of aircraft requiring start-up or push-back approvals on the new East apron is vested with the Air Traffic Control Service Unit**, and the control of vehicles and persons is the responsibility of airport operator (Tibah Operations and AOC).

2.5. At Madinah East Apron Areas, **ATC TWR instructions to aircraft will be given on the understanding that safe separation between the aircraft and vehicles not under radio control is not included in the instruction.** The responsibility of ATC TWR on the new East Apron Areas will be limited to provide approvals and advice to assist the prevention of collisions between moving aircraft.

General Authority of Civil Aviation	Air Navigation Safety Leaflet Notice	
Safety & Air Transport	Applicability: OEMA Madinah PMIA Airport Operations	Number: 2015/01
		Issued: 29 March 2015

2.6. In addition, Madinah ATS Unit and airport operator (Tibah airports development Co.) have adopted the following technical and operational measures:

- › Use of follow-me vehicles to assist aircraft ground movements. A special chart has been designed to identify stand-by locations where the follow-me service will start and end;
- › Use of Closed Circuit Television (CCTV) system to monitor and oversight all ground movements within the new East Apron Areas. As initial stage, CCTV will be used only by airport operator (Tibah airports development Co.). As second phase, a **dedicated CCTV system will be installed at ATC TWR in June 2015** to enhance visual surveillance and provide the Air Traffic Controllers with comprehensive real-time situational awareness on the aircraft ground movements around all Stands and Taxiways “L”, “N”, “P” and “M”. The CCTV cameras will be installed in a way to enhance the Air Traffic Controller line of sight. Consequently, CCTV Cameras will be installed in the West side of the airport (e.g. on the top of TWR CAB) and oriented towards the new East Apron Areas except for Cameras that will cover TWY “M” which shall be installed in a way to provide full view of the TWY “M” and associated Stands.

3. Amendments to OEMA | PMIA airport charts.

- 3.1. The extension of East Apron Areas and the new arrangements to ensure safe aircraft ground movements affect the following OEMA | PMIA charts:
- › Aerodrome Ground Movement Chart – ICAO
 - › Aircraft parking/Docking charts – ICAO (East Apron, West Apron, Royal & Remote Aprons)
 - › Aerodrome Chart – ICAO
- 3.2. The content of this Safety leaflet Notice and the amended charts can be viewed or downloaded using the following website links:
- › Link 1: <http://www.ans.sa/charts>.
 - › Link2: <http://www.madinahairport.com/EN-EN/AERONAUTICAL/PAGES/PMIA-AERONAUTICAL-DRAWINGS.ASPX>
- 3.3. These amendments will be published as an AIP AMDT AIRAC cycle: 8/15 effective 23 July 2015.

4. Additional information

- 4.1. For further information and details on the operational arrangements to operate the new East Apron Areas, the following contacts can be joined during the working hours:

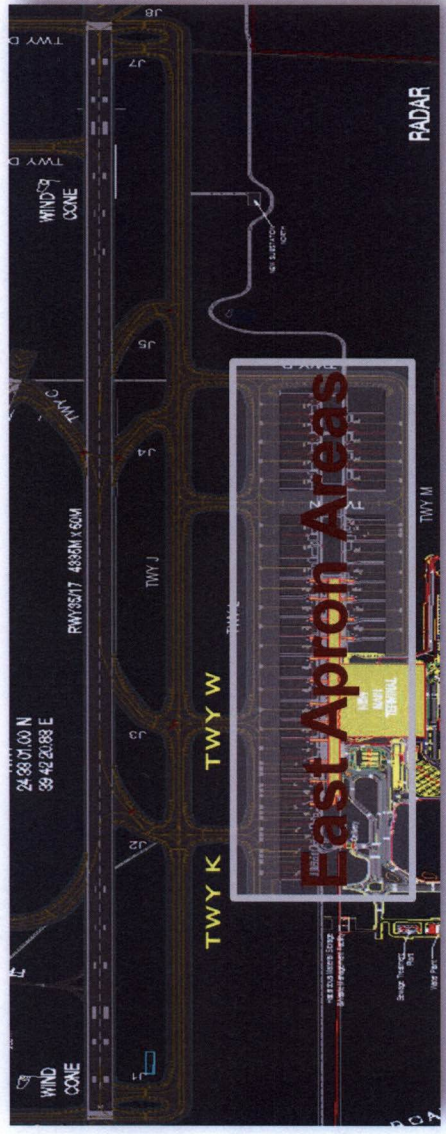
Madinah ATS Unit	Airport operator (Tibah Airports Operation Co.Ltd.)
Chief of Madinah ATS Unit. Phone:0148420053 Fax:0148420053 Email: oalhashl@gaca.gov.sa	Airport Operations Director Phone: 0542984032 Fax: 0148413777 Email:Deniz.Varol@Tibahairports.com

General Authority of Civil Aviation	Air Navigation Safety Leaflet Notice	
Safety & Air Transport	Applicability: OEMA Madinah PMIA Airport Operations	Number: 2015/01 Issued: 29 March 2015

Appendix A - Re-define and classify TWYs “L”, “M”, and portion of TWYs “N” and “P” located East TWY “L” as part of the non-maneuvring area



Appendix B – Designation of links between Taxiways “J” and “L” as TWY K and TWY W



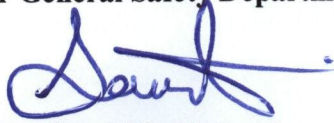
General Authority of Civil Aviation	Air Navigation Safety Leaflet Notice	
Safety & Air Transport	Applicability: OEMA Madinah PMIA Airport Operations	Number: 2015/01
		Issued: 29 March 2015

5. Cancellation

5.1 This Leaflet shall remain in force until December 2015.

Proposed by:

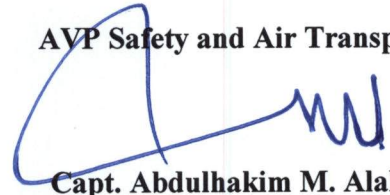
Director General Safety Department



Dr. Sami M. Alsrisari

Approved by:

AVP Safety and Air Transport



Capt. Abdulhakim M. Alallaw