

1. INTRODUCTION

1.1 SITE CONTEXT

The Dubai World Central (DWC) is located on the southern part of Dubai, near Jabel Ali free port zone as shown in Figure 1.1. The Preliminary Master Plan for DWC is composed of Al Maktoum International Airport and surrounded by the following varied urban developments:

- Dubai Logistic city (DLC); Staff Village
- Residential City; Staff Village
- Aviation City
- Golf City
- Commercial City
- East and West entrances
- Exhibition city
- Humanitarian City (DLC & Golf)

The Aviation City has been conceived as future regional headquarters for leading companies working in airline related industry including suppliers, maintenance specialists, manufacturers etc. Its main function is to provide support to the general aviation activities.

The General Aviation Area which lies on the southern side of Al Maktoum International Airport constitutes the airside part of the Aviation City.



Figure 1.1: DWC Site Location

1.2 AL MAKTOUM INTERNATIONAL AIRPORT

Al Maktoum International Airport is planned to be 10 times the size of the current Dubai International Airport and Dubai Cargo Village combined. It will have 5 to 6 parallel runways all of 4.5 km in length and have a passenger capacity close to 160 million passengers and a cargo capacity of 12 million tons per year (Atlanta, currently the world's busiest airport, had 89.4 million passengers in 2007)

Work has already been completed on the first all weather runway (CAT IIIB) and parallel taxiways serving the General Aviation.

1.3 GENERAL AVIATION AREA (MROs, FBOs)

The General Aviation Area, shown in Figure 1.2, is an airside facility located within the Aviation City close to the main airfield south of the airport. It is bounded by a double security fence with two gates at the Northeastern and Southwestern sides to provide access for employees and equipment. The need for access from the landside to the airside will have an effect on the overall spatial organization and the security concerns. The Executive Jets covered and uncovered parking and their Terminal are also part of General Aviation Area located on the Airside. However the focus of this document is to provide Development Guidelines and planning Regulations for the MROs and FBOs area.



Figure 1.2: General Aviation Location within DWC