ICAO/UN-Habitat Pilot Project on Synergy between Airports and Urban Development for Sustainable Development

Experts Group Meeting

"AIRPORTS – CITY AND THEIR ENVIRONS"

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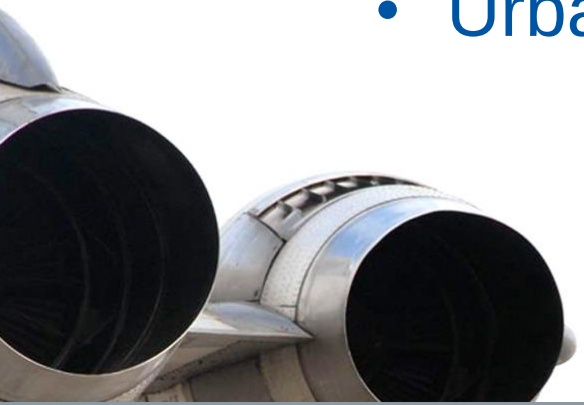
Outline

- Airports landside
- Urban Settlement



AIRPORTS LANDSIDE

Airports Landside

A landside system (landside) is where aviation operations meet land based systems.

Landside includes all passenger movement to and from the airplane through the terminal along with the transportation circulation elements used to deliver passengers, their baggage, freight and employees and equipment required to support all airport operations

Landside should provide all necessary facilities which meet the needs, preferences and sometimes disabilities of passengers

Airports Landside

Information for determining passenger building requirements should be obtained from all present and potential users of the facilities.

The criteria should be analysed and agreed upon by all parties involved before being incorporated into the airport master plan.

Landside should attract passengers to the routes required by the flow and gives some freedom for individual needs. Passenger flow should be integrated with the baggage flow.

Airports Landside

Proper planning of the airport, control of pollution-generating sources and land use planning is key to achieve compatibility of an airport with its environs.

The aim is to provide the best possible conditions for the needs of the airport, the community and environment in surrounding areas.

Airport planning and development should be an integral part of an area-wide comprehensive planning programme.

Airports Landside

There is a need for public control of land in the vicinity of an airport especially with:

- Height limitations of surroundings building
- Obstacles to flight into/out of airport
- Activities that could cause electrical interference with radio communications and navigation aids
- lights that might confuse pilots in the clear interpretation of aeronautical lights
- the production of smoke that reduces visibility; and
- the presence of accumulated solid waste on which birds may feed or water elements that may be used during migration.

Airports Landside

Land-use planning in the vicinity of an airport is two fold and it should provide:

- airport needs, e.g. obstacle limitation, future development and
- minimal interference to the environment and public

SETTLEMENT

Urban Settlement

- The human population has been growing steadily over time
- The urban area thus provided a pristine area for intensifying the gains on social, economic, political, cultural and environmental challenges as well as an advantage of addressing requisite challenges

Urban Settlement

In Africa, however, sustainability in urbanization is being adopted in low pace. Many African cities are faced by fast growing economies, abundance of natural resources in many countries and exponential influx of youth into the cities

Urban Settlement

Recently, the urban reform agenda has been spearheaded by organizations to streamline urban management for better living and working conditions of urban population

In Africa, most urban growth is happening in secondary and other emerging urban settlements, thus presenting a unique opportunity for policy makers and urban planners to get the ‘urbanization’ idea right

Urban Settlement

Urban settlements create opportunities such as compact human settlements; easy access to labour and markets, job opportunities for the people and cheaper provision of services to the people due to economies of agglomeration

Adapted management of urban settlement provides lucrative gains for any country

Urban Settlement

On the other hand, the urban area is a hot-bed of congestion of urban infrastructure, inadequate labour in rural areas due to outmigration, slum proliferation, insecurity and other social vices; if it is managed in a freewheeler manner

This implies that in every African country, integrated urban growth could be a crucial policy tool towards poverty eradication and promote socio-economic growth

Urban Settlement

Unfortunately, many urban areas in Africa are grappling with urban growth, due to lack of integrated urban growth models.

"The city is a place where a lot of problems are concentrated; but the city also has the resources to overcome these problems and be the place of development." ***- Prof. Valentino Castellini, Italy, 1998***

Correlation

The traffic growth in air transport leads towards airports expansion, development of new infrastructure and new airports concept

The urban population growth leads to city expansion, development of new infrastructure and new model of urbanization

Correlation

New developments are taking place around the airports and throughout the corridors leading towards the airports

Both airports and cities play significant role for the economic development at local, national and regional levels

Hence, the need for joint effort to address common challenges

ICAO

THANK YOU