Description of a System
Airport System

1.　　An Airport System includes facilities, equipment, personnel and procedures necessary for the operation of airport.

2.　　Operational functions include:

(i)　　Movement area access control
- Air/land/sea

(ii)　　Aerodrome emergency planning
- Emergency Procedures Manual

(iii)　　Rescue and fire fighting
- Capability (Equipment, foam/water/dry powder discharge rate)
- Facility maintenance
- Staff training and experience
- Equipment mobilization plan
- Reduction of capability (notice)
- Water hydrant system

(iv)　　Movement area inspection and maintenance
- Aerodrome Manual/inspection forms
- Maintenance

(v)　　Visual Aids Maintenance
- Schedule

(vi)　　Construction management
- Control of works
- Site Management

(vii)　　Apron safety management, including vehicle traffic
- Rules and regulation for airside operations
- Airside management
  - o Airside Vehicle Management
  - o Airside vehicle license
  - o Vehicle examination
  - o Safety specification
  - o Aircraft Servicing Co-ordination
  - • Equipment Parking
  - • Apron discipline
  - • Push-back operations
  - • Traffic signs and markings
  - • Stand allocation
  - • Aircraft damage control
  - • Fuel spillage control
  - • Vehicle and equipment damage control
  - • Apron safety check lists including ramp activity audit and working on height

(viii)　　Wildlife hazard management
- Bird control management / observation

(ix)　　Obstacle control
- Airport boundary, outside airport, runway strip, ordinance and survey, approval of building construction under flight path

(x)   Disabled aircraft removal
- Equipment compatible with aircraft type
- Maintenance for readiness
- Deployment scheme
- Establishment of outsourcing procedures / contact

(xi)   Hazardous materials handling
- Procedures
- Types of materials

(xii)   Low visibility and adverse weather operations
- Procedures
- Responsibility of organizations involved

(xiii)   Radio Navigational Aids installations and maintenance.

3.   Aerodrome Management

Slots negotiation and allocation; flight dispatch; follow-me guidance and marshalling; movement area management and stand allocation; low visibility operations CAT II; control of traffic rules and licensing regulations; cleaning, waste removal and pest control.

4.   Passenger Terminal Building Management

Management of passengers, baggage flows and facilities; passengers and public information; VIP and CIP assistance; left luggage; porter assistance; trolleys management; cleaning and pest control.

5.   Air Traffic and Aeronautical Information and Communications Services

Air traffic control (aerodrome control – CAT II), flight information and alerting services; aeronautical information services (international NOTAM office and pre-flight information service); aeronautical telecommunications services

6.   Security and Safety Management

Follow-up and monitoring of the implementation of Security Programme and activation of Emergency Plan; process the applications for the issuance of access cards

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