PROJECT SCOPE (AEROGRASP)

09/18/17

OVERVIEW

1. Project Background and Description

The project is about making a number of applications to create a complete set of airline applications to cater aviation industry's requirements. It includes the following core modules:

a) Aircraft Maintenance and inventory control system

b) Flight Information control system

c) Flight reservation capturing system system

d) Departure control system

2. Project Scope

The various modules are identified by the following brief descriptions:

a) Aircraft Inventory and maintenance control system (AIMCS)

>>Provision of aircraft induction into a fleet

>> Provision of maintenance job control including cannibalization

>> Provision of part store management including inventory control,issuance and vendor management

>> Provision of scheduled and unscheduled maintenance tracking

b) Flight Information Control System (FICS)

>> Schedule management of flights

>> Record keeping of flight arrival and departures

>> Record keeping of delays in flights

>> Cabin and Cockpit crew duty assignments

c) Flight Reservation Capturing System (FRCS)

>> Agent Management (Both Airline and Booking Agent management)

>> Reservation and ticketing operations

>> Sale management

>> Class and quota assignment

>> Interline and code sharing

>> Airline back office setup

d) Departure Control System (DCS)

>> Check-in operations

>> Boarding pass and baggage tag issuance

>> Passenger offload management

>> Baggage tracking

3. High-Level Requirements

The new system must include the following:

- Ability to allow both internal and external users to access the application without downloading any software
- Ability to interface with the existing data Shaheen applications.
- Ability to incorporate automated routing and notifications based on business rules

4. Deliverables

Airline Departments

- Finance
  - ❖ Disbursements
  - ❖ Asset Retirement
  - ❖ Financial Procedures
- Planning
  - ❖ Impact Analysis
    - ➢ Financial Impact Analysis
    - ➢ Resource Mobilization
- Operations
  - ❖ Flight Control and reservation
  - ❖ Departure Conntrol and boarding
- Engineering
  - ❖ Repairs and Maintenance Information Checks
  - ❖ Repairs and Maintenance Procedures
  - ❖ Engineering resource mobilization
- Marketing and Media Management
  - ❖ Media Link Formation
  - ❖ Web/Social Media interaction
- Information Technology
  - ❖ Information Flow and Control
  - ❖ Information Point Identification
  - ❖ Information Collection and dissemination

External Agencies

- Civil aviation
- Air traffic control(Incident Airports)
- Federal Investigation Agency
- Airport Security Force

5. Affected Parties

All the airline departments

Passengers

6. Development Plan

The development methodology is agile with cross functional and self-organizing teams.

7. High-Level Timeline/Schedule

No timeline.