Business Rules

for

Air Supply-Pilot

Version 1.0 approved

Prepared by

12 October 2018

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Date** | **Reason For Changes** | **Version** |
| Business Rules for AS-P | 12/10/18 | Original | 1.0 |
|  |  |  |  |

**Business Rule**

**BR-1: User must have an HA email address**

To register, the user must own an HA email address. Admin will only send the token for registration to user’s HA email address.

**BR-2: Users can be uniquely identified**

User must have a distinct username. During registration, user must input a unique username. This username can no longer be changed afterward.

**BR-3: Every order can be uniquely identified**

Every order should be assigned with a distinct order id to differentiate it with another order.

**BR-4: Higher priority orders must be processed first**

Any order with a higher priority level must be processed first before the lower ones. This is to ensure the higher priority order will be handled as fast as possible.

**BR-5: An order cannot be cancelled once processed in the warehouse**

After placing an order, clinic manager can only cancel the order if the order status is still “*Queued for Processing*”. Other than that, cancellation is no longer allowed.

**BR-6: Every package must have a shipping label**

For every order, a shipping label containing information about the order must be stick at the lightweight container that carry the order.

**BR-7: Every completed order’s information must be retained**

Every detailed information about the order, starting from online ordering to dispatch, must be recorded. This will later be used for audit.

**BR-8: Every drone must not carry orders more than 25 kg**

Every drone should carry at least 1 order during the flight. These orders must not exceed the 25 kg weight limit.

**BR-9: Drone’s route must have the shortest round-trip distance**

For efficiency purpose, drone should be routed as short as possible to deliver all orders it carries.

**BR-10: Clinic Manager must be well informed regarding the order status**

Clinic manager must be able to track and monitor the status of his/her order.