**e-Proof-Of-Delivery Android**

High Level Functions

Delivery Management

• List assigned deliveries and the schedule

• List and view individual Job (pickup or delivery) details

• Quick menus to launch the call or SMS to shipper/recipient party

• Quick menu to launch Google Maps with inland origin and destination waypoint (local only)

• Update proof-of-delivery information (such as images, signature, date and time)

Notifications

• Android/SNS notification to driver on re-assignments

Driver Profile

• View own profile

• Update own password

Process Flow from Driver’s Perspective

• Driver checks job (to-do) list for the day

• Login to app with a username (email format) and password

• Navigates to the Jobs screen

• Jobs screen shows the summary - how many jobs are there to do (vs. how many have been done)

• Job screen also display the list of jobs

• Job list item will show minimally what type of job is it (pick up or delivery), the status (is it completed?), the customer/business name

• There should be some visual indication to show which jobs are pickup or deliveries, and which jobs are completed or not

• Driver views the job (either a pickup or a delivery) detail

• Clicks on the job item to find out the details if necessary

• The job detail screen will show the basic customer information – name, address, phone number, the location of the pickup/delivery, and the time slot for the planned ETA (e.g 09:00 – 09:15)

• Driver does pre-start checks

• Goes to the map (within the app) to view the start point (current location) and the end point (destination). The map is powered by Google Maps API. The app calls the API and injects the necessary inputs.

• (Optional step) Clicks on button to indicate that driver is starting to execute the job

• Driver starts on the job

• Drives to the pickup/delivery location, dismount to check the goods

• Driver may launch the phone dialler or SMS app to communicate with the issuer/recipient

• Goes to the job details screen to view the list of items

• The list will show (minimally) – item code, item short description, item quantity, item UOM, item status (see below)

• Records the overall status on the job if the job, for example has a ‘no show’ by the recipient (venue closed etc.). There could be a list of overall status to choose from or simply just a text entry.

• Records the pickup/delivery status on the item if the item (say 10 crates of beer) has not been ‘fully’ picked up or delivered.

• Item status refers to if, e.g 10 crates of item has been ‘fully’, ‘partially’ transacted or not. It could also have status ‘rejected’ and ‘others’

• Driver can record to indicate e.g 3 crates damaged, and the status is ‘partially’ delivered.

• Driver can take photos of the problem goods for that line item; up to 5 photos can be taken

• Takes proof of delivery

• Starts the camera to take pictures of hardcopy (signed) documents, or the goods at the location; up to 5 photos can be taken

• Driver completes the job

• Gets the issuer (for pickups) or recipient (for deliveries) to sign on the signature pad and save the transaction.

Process Flow from Fleet Planner Perspective

• Planner receives job orders from customers

• Planner plans the routes for all jobs and arranges them in a specific optimised order

• Planner then assigns drivers to these jobs

• Planner verifies the trip plan, finalises and ‘sends’ it to the drivers

• Backend system pushes the individual drivers’ job list to them; app receives notification of job assignment

• Drivers perform the job throughout the day, and records the status and proof

• Backend receives the drivers’ updates via the app

• Planner is able to monitor and address incomplete/partial jobs for the next day, by re-assigning drivers