**Produce Drone Delivery Report**

Get Drone Information from File

Get Customer Information

Get Delivery Coordinates

Get Payload Weight

Calculate Drone Delivery Distances

Calculate Travel Times

Display Customer Information

Display Drone Delivery Information

**Get Drone Information from File**

Get droneSiteName1 from file

Get droneSiteName2 from file

Get droneSiteName3 from file

Get droneSiteName4 from file

Get droneSiteName5 from file

Get droneSiteName6 from file

Get droneSiteName7 from file

Get droneXCoord1 from file

Get droneXCoord2 from file

Get droneXCoord3 from file

Get droneXCoord4 from file

Get droneXCoord5 from file

Get droneXCoord6 from file

Get droneXCoord7 from file

Get droneYCoord1 from file

Get droneYCoord2 from file

Get droneYCoord3 from file

Get droneYCoord4 from file

Get droneYCoord5 from file

Get droneYCoord6 from file

Get droneYCoord7 from file

Get droneSpeed1 from file

Get droneSpeed2 from file

Get droneSpeed3 from file

Get droneSpeed4 from file

Get droneSpeed5 from file

Get droneSpeed6 from file

Get droneSpeed7 from file

Get droneRange1 from file

Get droneRange2 from file

Get droneRange3 from file

Get droneRange4 from file

Get droneRange5 from file

Get droneRange6 from file

Get droneRange7 from file

Get dronePayload1 from file

Get dronePayload2 from file

Get dronePayload3 from file

Get dronePayload4 from file

Get dronePayload5 from file

Get dronePayload6 from file

Get dronePayload7 from file

**Get Customer Information**

Display “Enter customer name: “ to user

Get name from user

Display “Enter address: “ to user

Get address from user

Display “Enter city, state, and zip: “ to user

Get cityStateZip from user

**Get Delivery Coordinates**

Display “Enter X delivery coordinate: “ to user

Get xDeliveryCoord from user

Display “Enter Y delivery coordinate: “ to user

Get yDeliveryCoord from user

**Get Payload Weight**

Display “Enter payload weight: “ to user

Get payloadWeight from user

**Calculate Drone Delivery Distances**

Set deliveryDistance1 to \* 2.6163

Set deliveryDistance2 to \* 2.6163

Set deliveryDistance3 to \* 2.6163

Set deliveryDistance4 to \* 2.6163

Set deliveryDistance5 to \* 2.6163

Set deliveryDistance6 to \* 2.6163

Set deliveryDistance7 to \* 2.6163

**Calculate Travel Times**

Set travelTime1 to deliveryDistance1 / droneSpeed1

Set travelTime2 to deliveryDistance2 / droneSpeed2

Set travelTime3 to deliveryDistance3 / droneSpeed3

Set travelTime4 to deliveryDistance4 / droneSpeed4

Set travelTime5 to deliveryDistance5 / droneSpeed5

Set travelTime6 to deliveryDistance6 / droneSpeed6

Set travelTime7 to deliveryDistance7 / droneSpeed7

**Display Customer Information**

Display “Customer name: “, name to user

Display “Address: “, address to user

Display “City, state, and zip: “, cityStateZip to user

Display “Payload weight: “, payloadWeight to user

**Display Drone Delivery Information**

Display “Port Number”, “Port Name”, “Drone Speed”, “Maximum Range”, “Payload”,

“Distance to Delivery Point”, “Estimated Travel Time” to user

Display 1, droneSiteName1, droneSpeed1, droneRange1, dronePayload1, deliveryDistance1,

travelTime1 to user

Display 2, droneSiteName2, droneSpeed2, droneRange2, dronePayload2, deliveryDistance2,

travelTime2 to user

Display 3, droneSiteName3, droneSpeed3, droneRange3, dronePayload3, deliveryDistance3,

travelTime3 to user

Display 4, droneSiteName4, droneSpeed4, droneRange4, dronePayload4, deliveryDistance4,

travelTime4 to user

Display 5, droneSiteName5, droneSpeed5, droneRange5, dronePayload5, deliveryDistance5,

travelTime5 to user

Display 6, droneSiteName6, droneSpeed6, droneRange6, dronePayload6, deliveryDistance6,

travelTime6 to user

Display 7, droneSiteName7, droneSpeed7, droneRange7, dronePayload7, deliveryDistance7,

travelTime7 to user