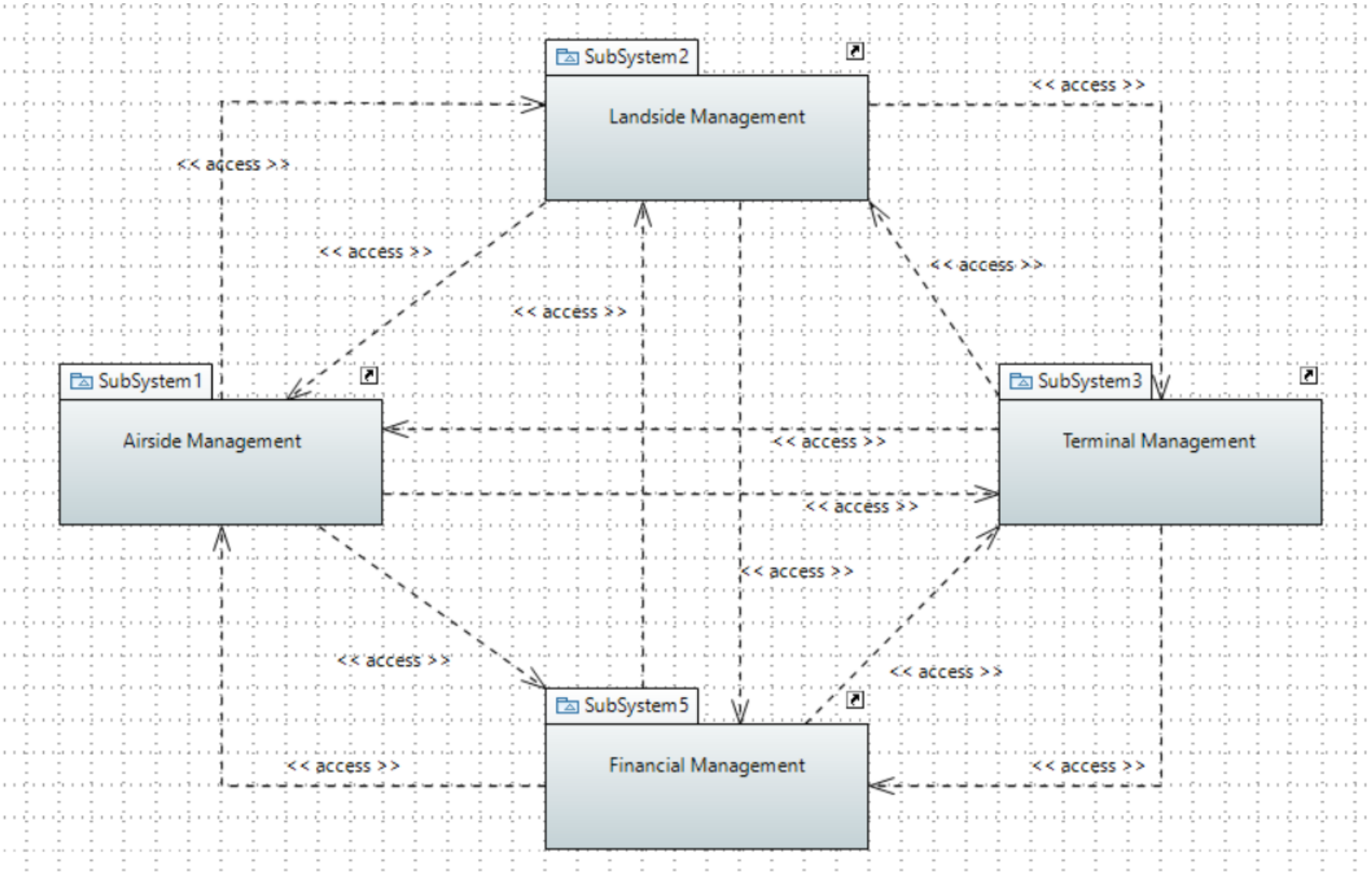
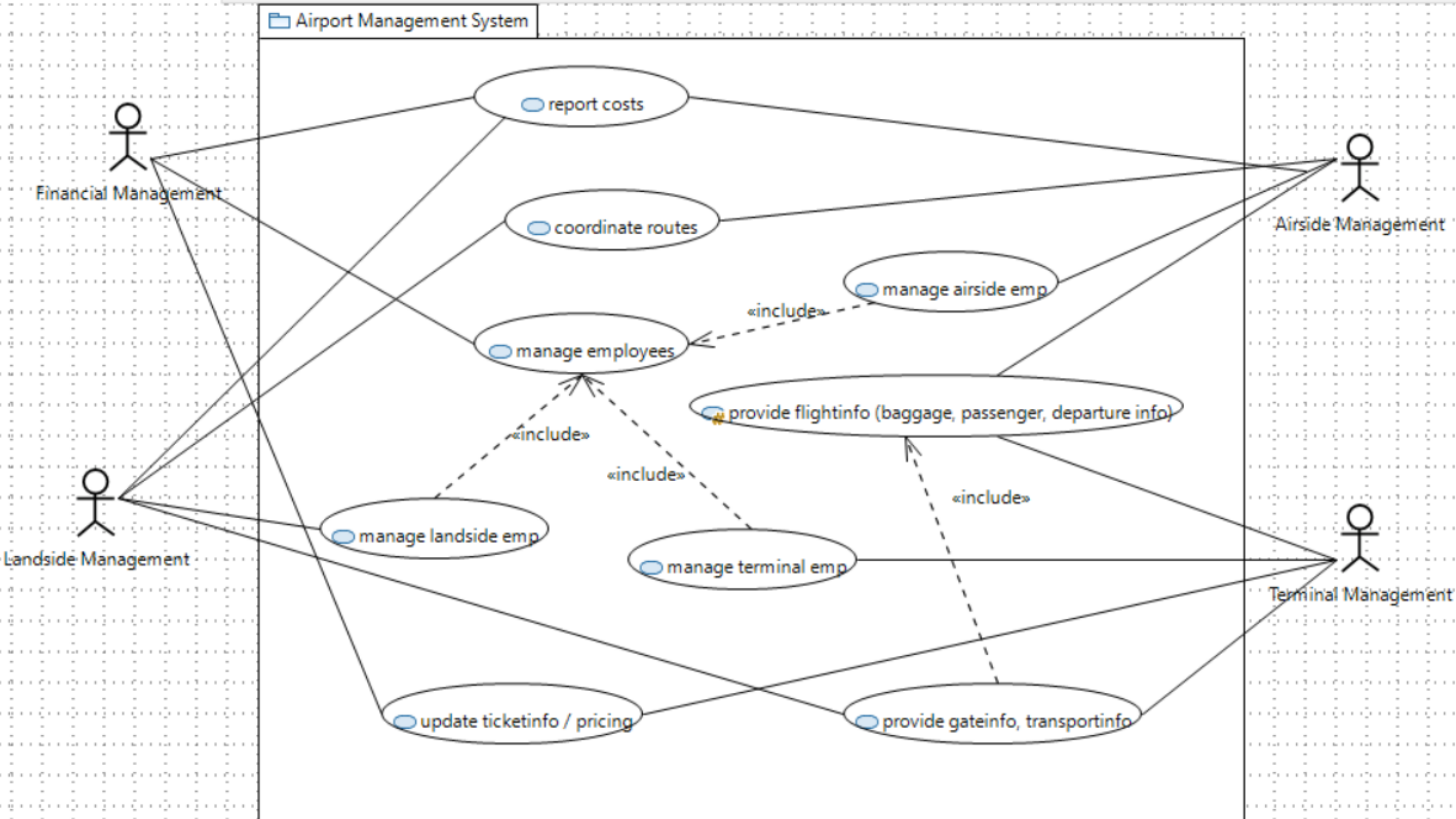
MILESTONE 1: REQUIREMENTS ENGINEERING

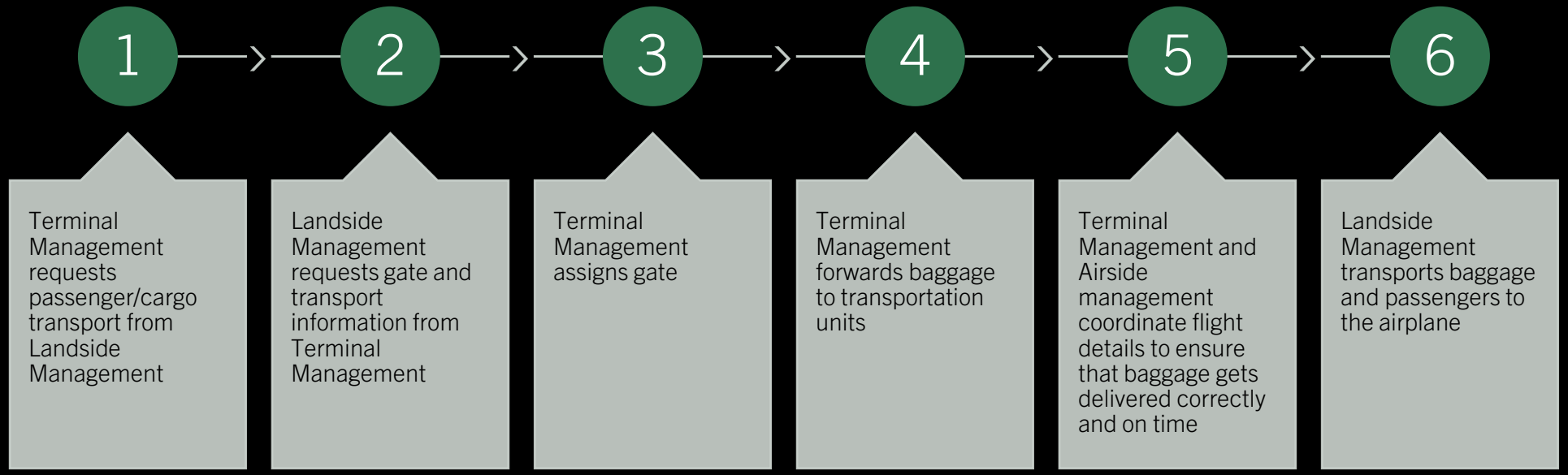
Kaan Baylan, Stefan Haslhofer,
Simon Primetzhofer, Jonas Reichhardt

OVERALL ARCHITECTURE




Airport Management System
report costs
coordinate routes
manage airside emp
«include»
manage employees
provide flightinfo (baggage, passenger, departure info)
«include»
«include»
«include»
manage landside emp
manage terminal emp
update ticketinfo / pricing
provide gateinfo, transportinfo
Financial Management
Landside Management
Airside Management
Terminal Management

PROVIDE GATEINFO, TRANSPORTINFO



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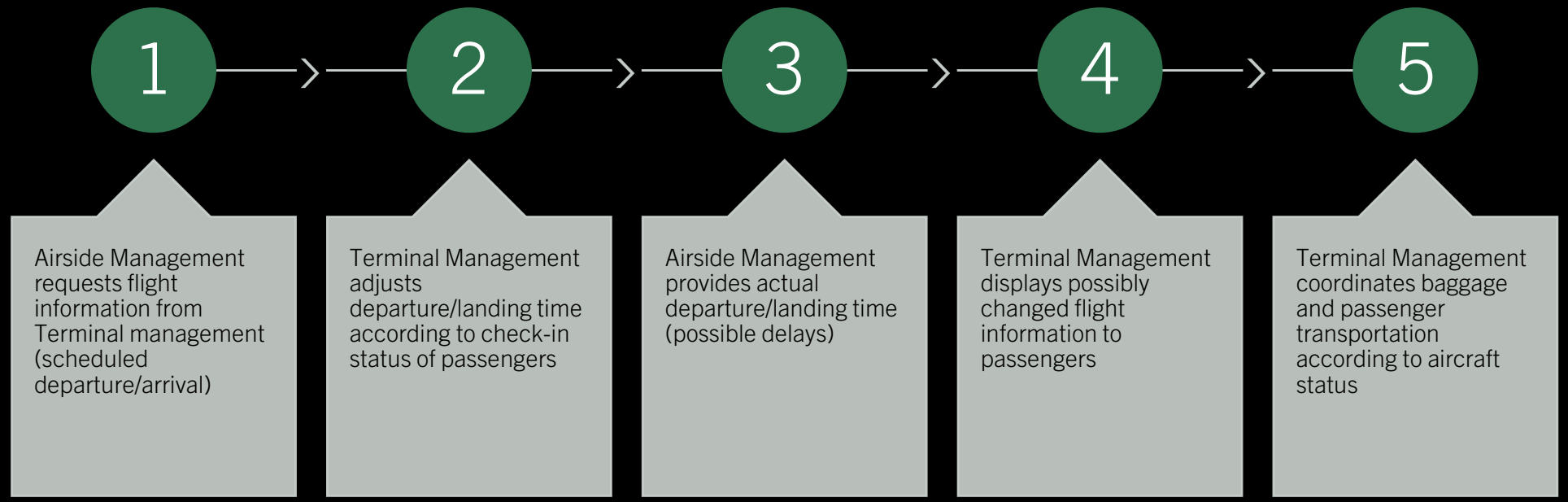
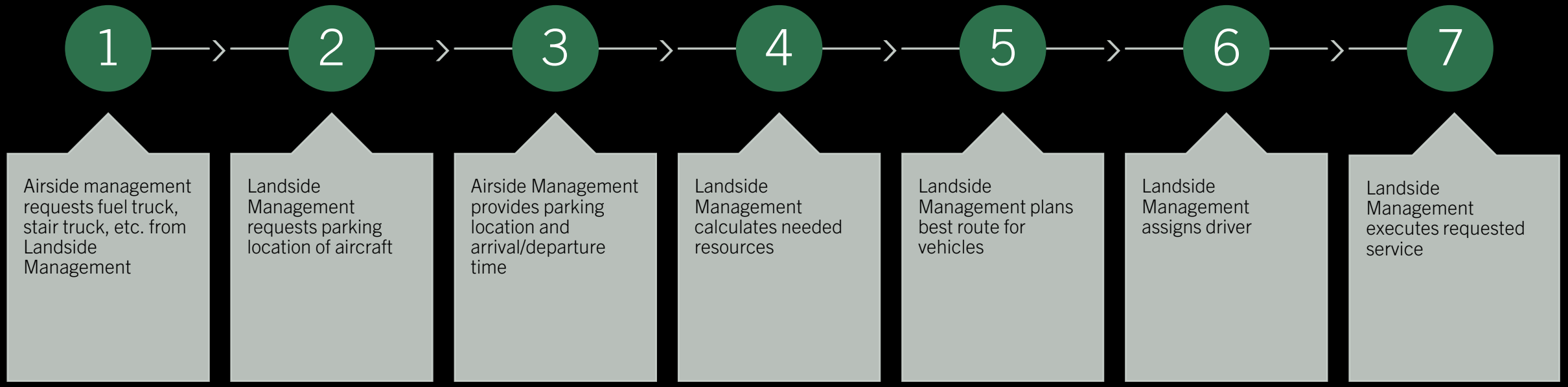
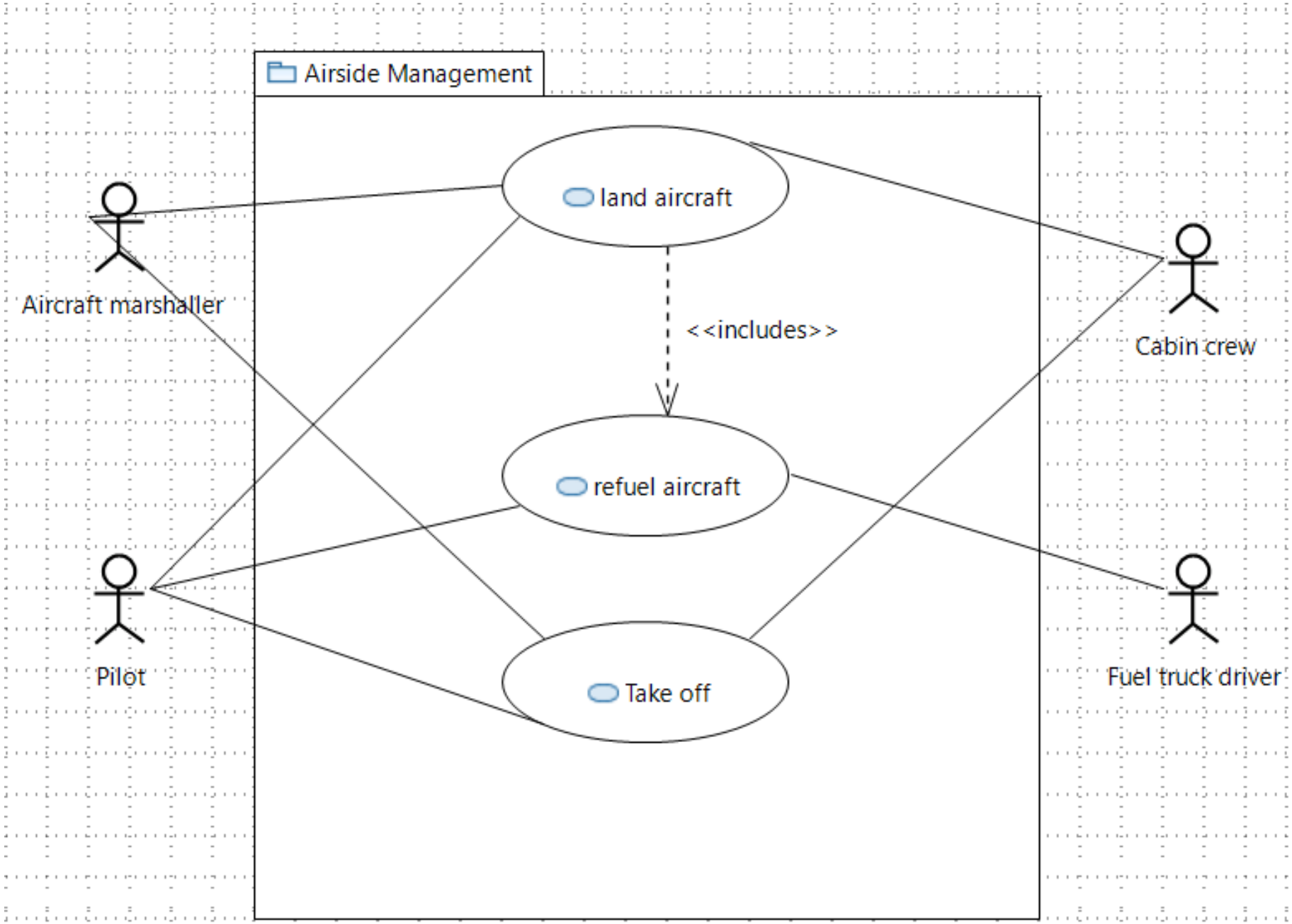
PROVIDE FLIGHTINFO



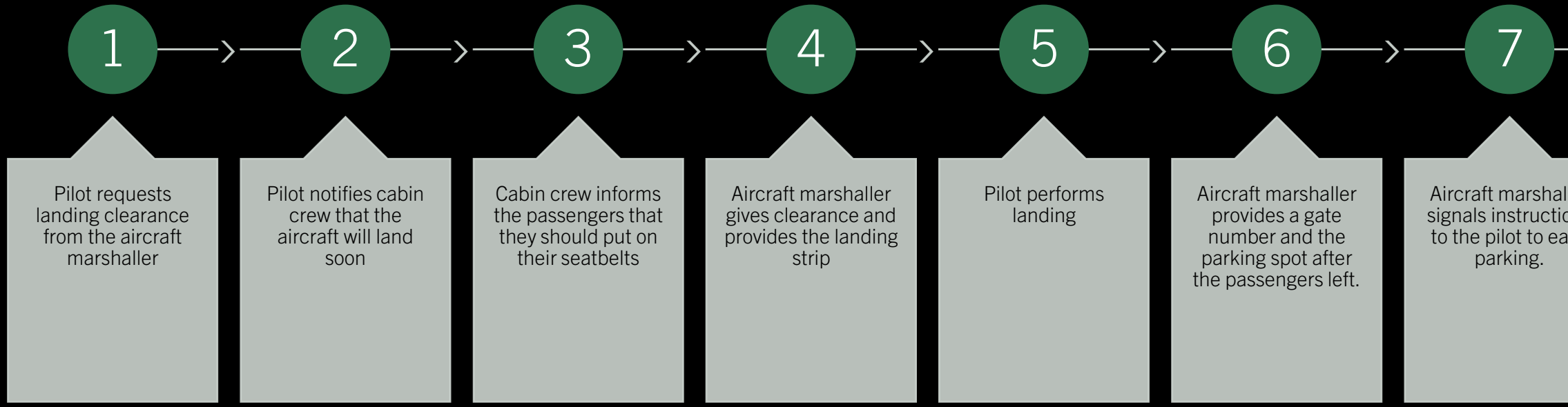
COORDINATE ROUTES



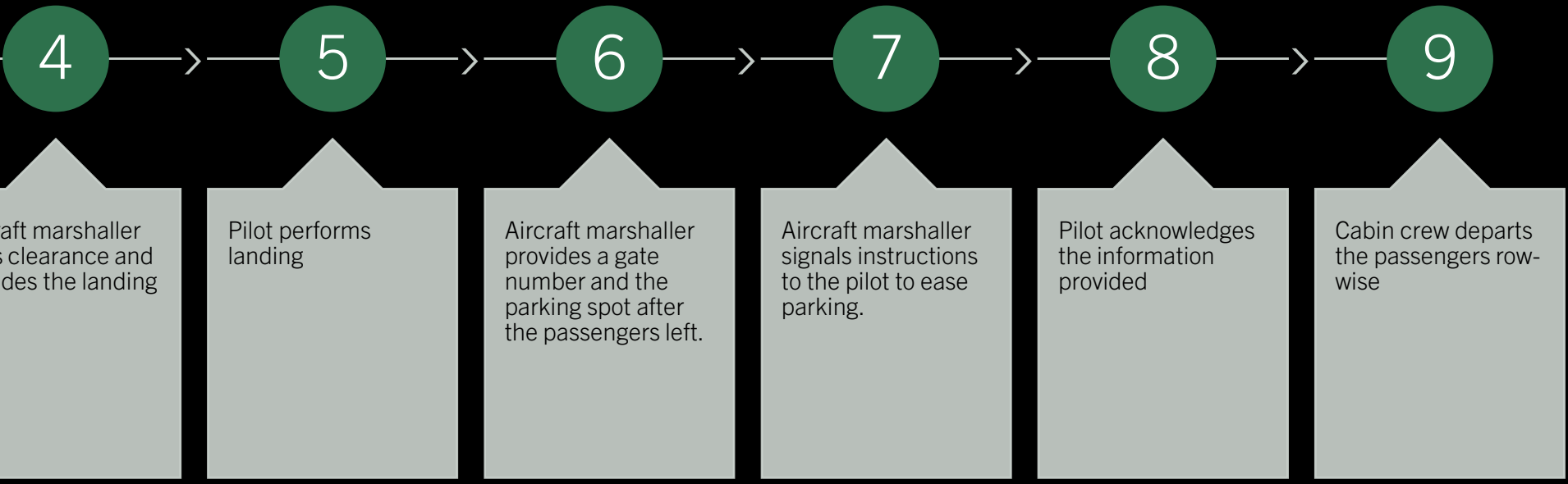
AIRSIDE MANAGEMENT


Airside Management
land aircraft
refuel aircraft
Take off
<<includes>>
Aircraft marshaller
Pilot
Cabin crew
Fuel truck driver

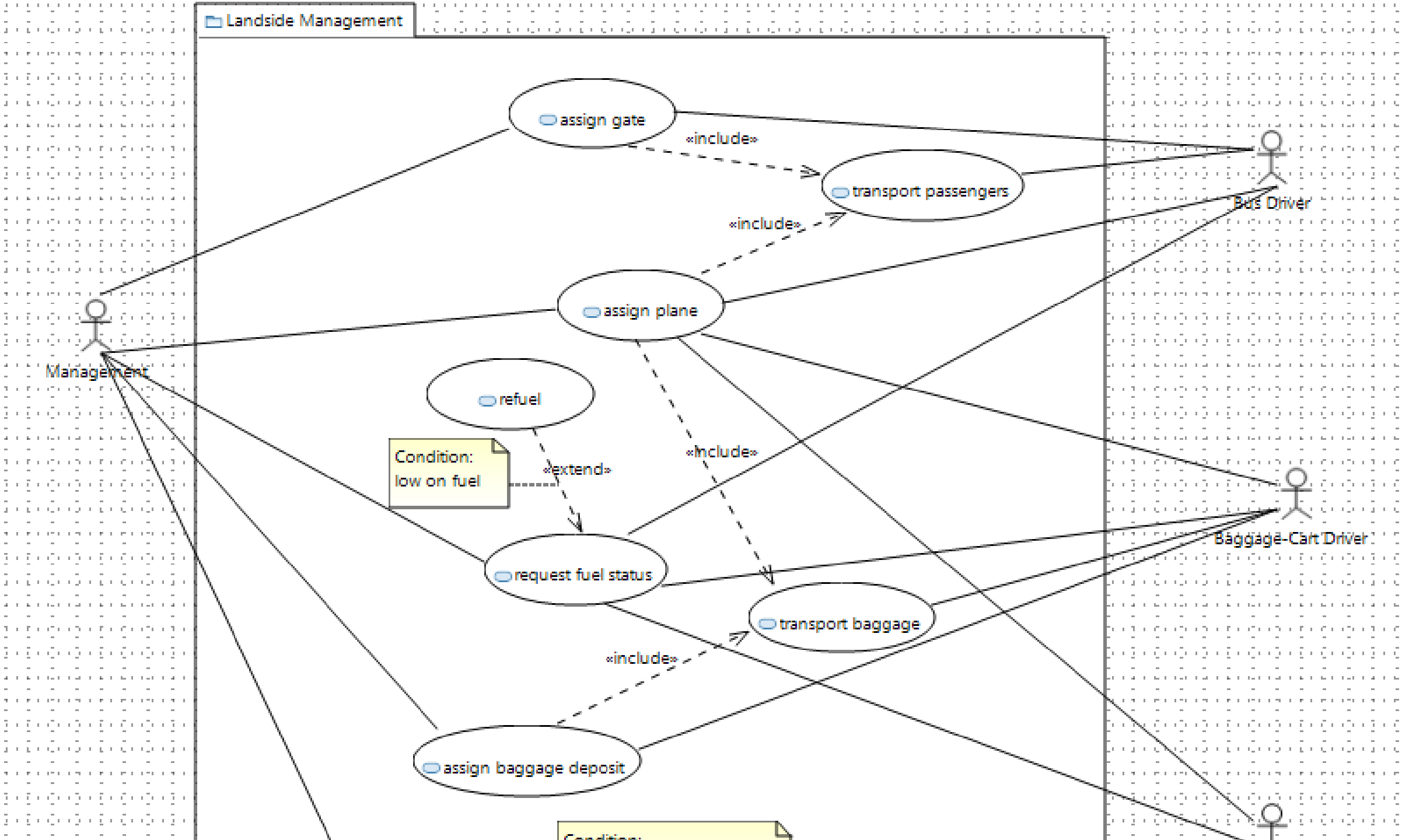
LAND AIRCRAFT

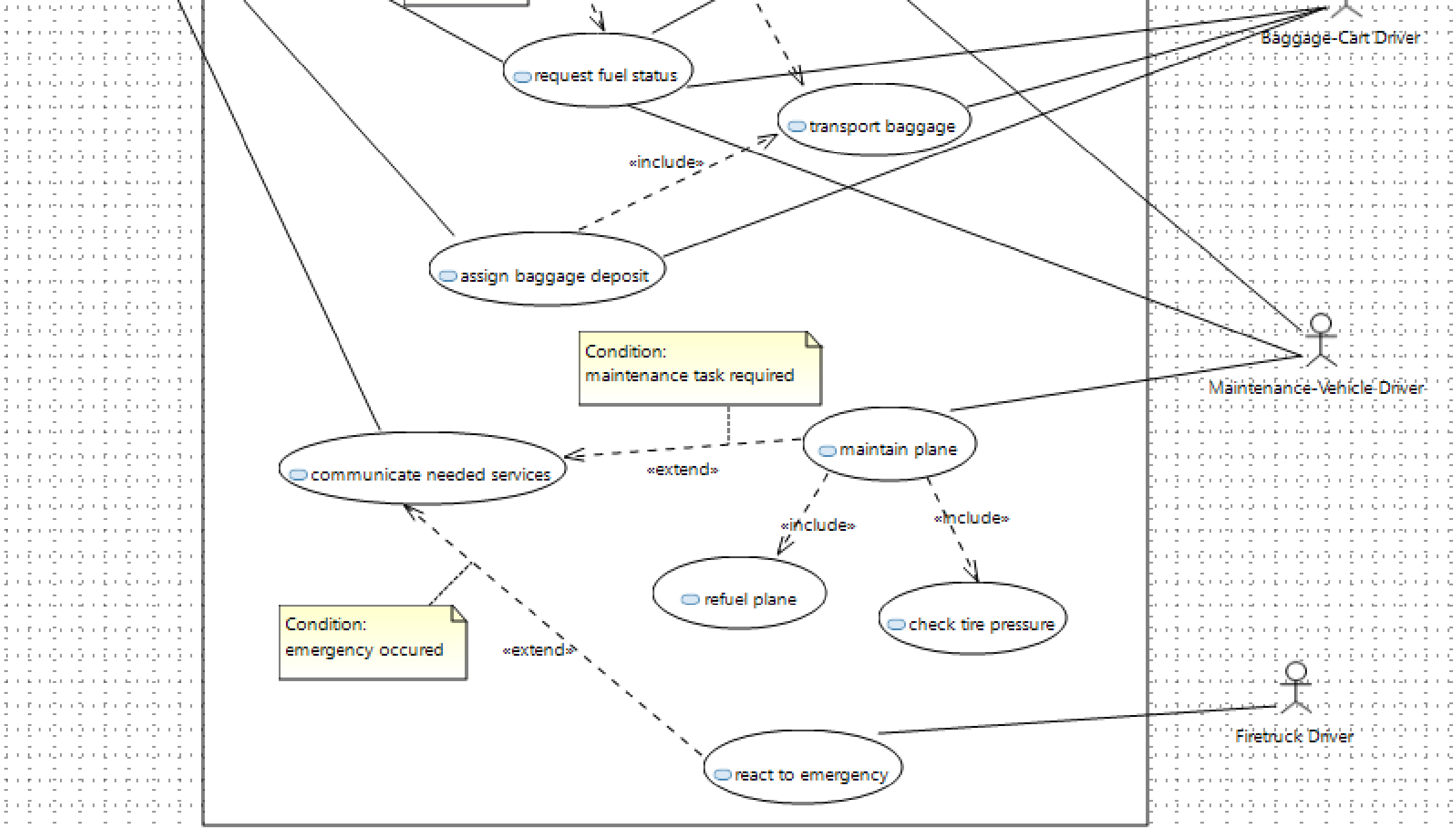


LAND AIRCRAFT

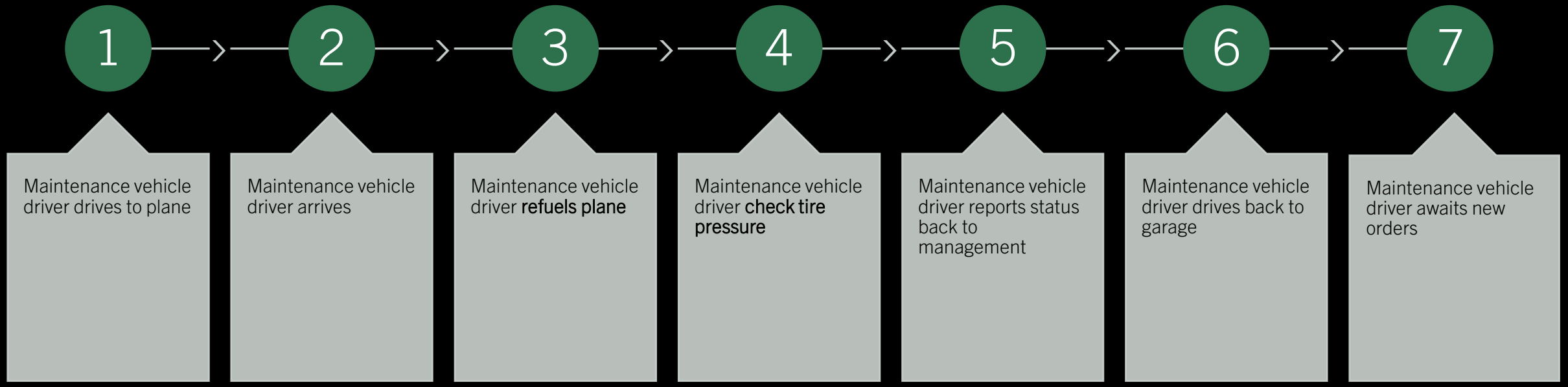


LANDSIDE MANAGEMENT


Landside Management
assign gate
«include»
transport passengers
«include»
assign plane
refuel
Condition:
low on fuel
«extend»
«include»
request fuel status
transport baggage
«include»
assign baggage deposit
Management
Bus Driver
Baggage-Cart Driver


request fuel status
transport baggage
«include»
assign baggage deposit
Baggage-Cart Driver
Condition:
maintenance task required
maintain plane
communicate needed services
«extend»
«include»
«include»
refuel plane
check tire pressure
Maintenance-Vehicle Driver
Condition:
emergency occured
«extend»
react to emergency
Firetruck Driver

MAINTAIN PLANE



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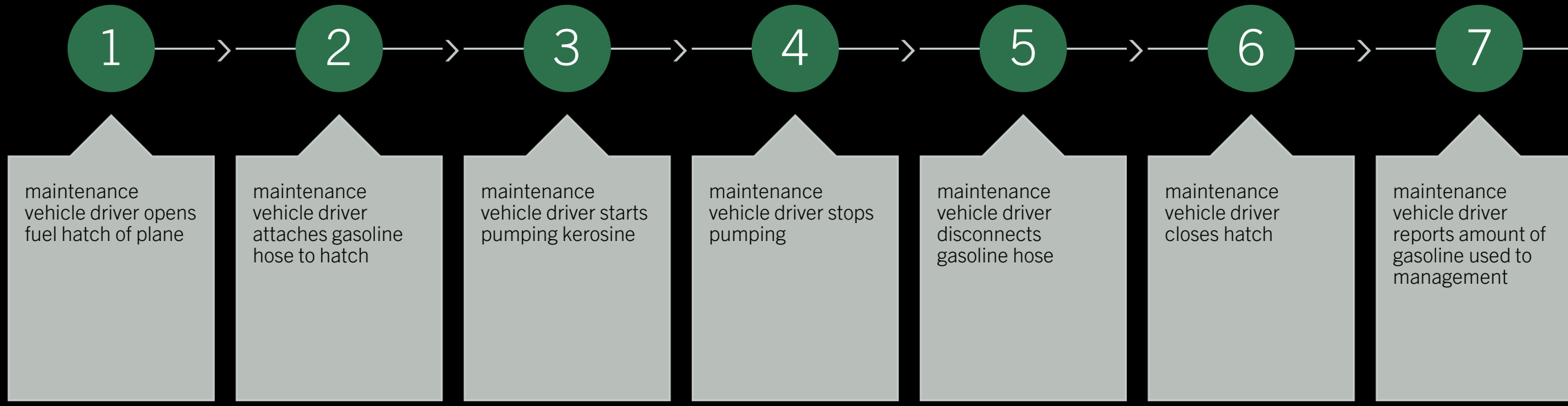
REFUEL PLANE



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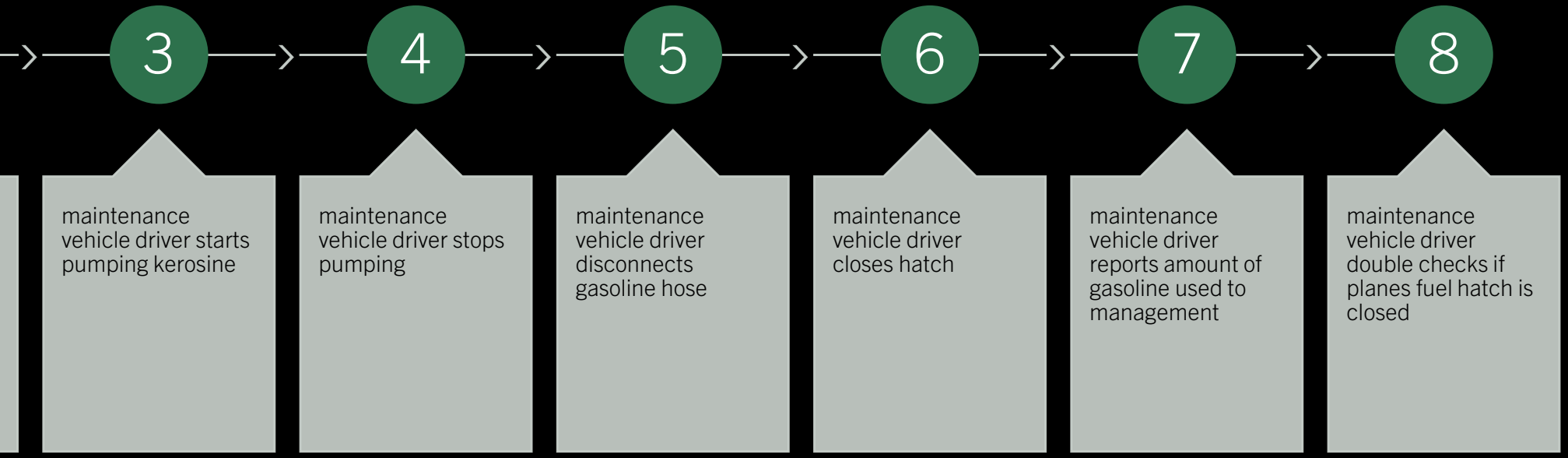
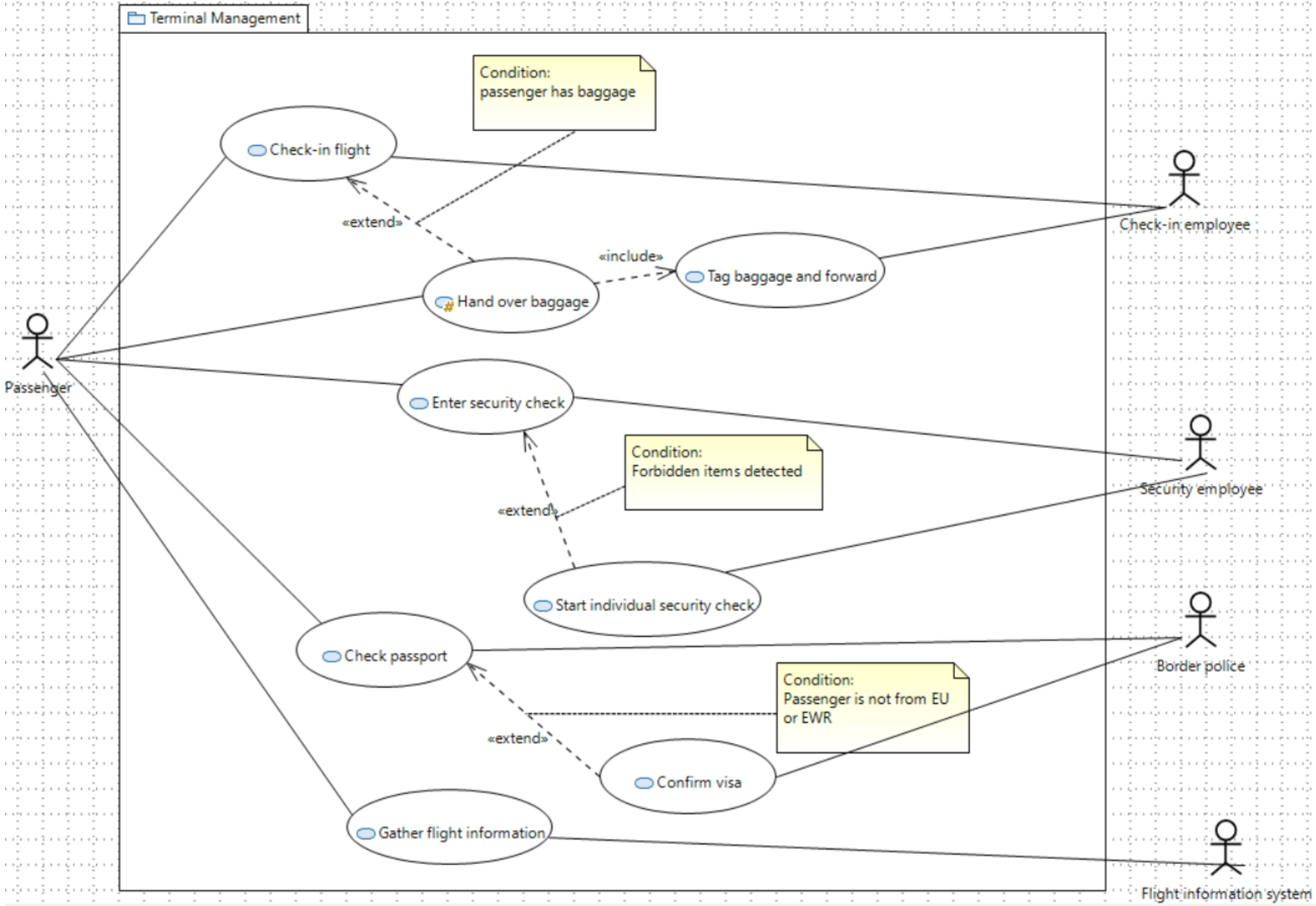
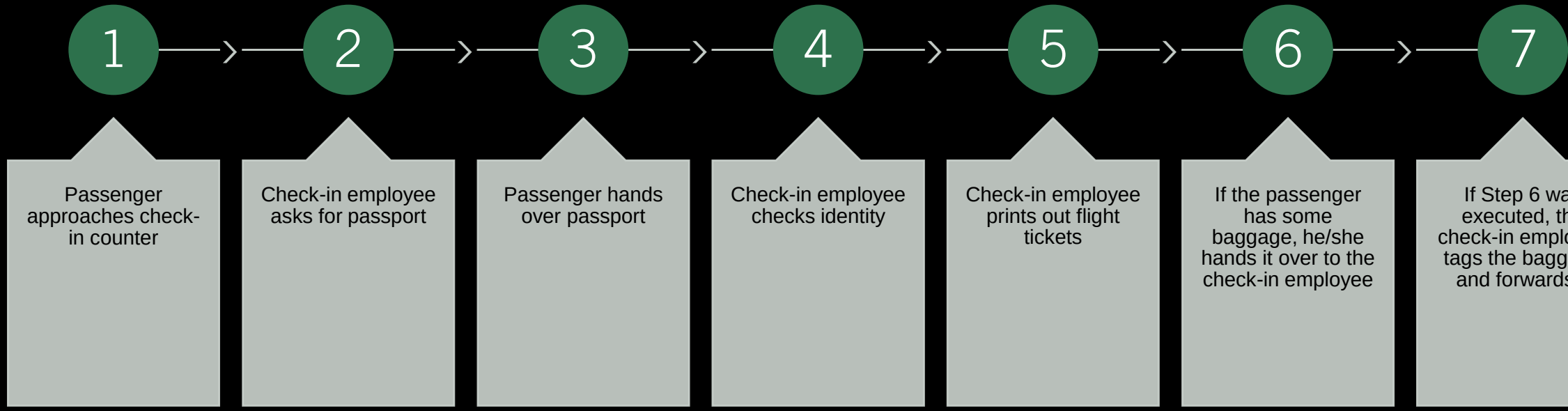
REFUEL PLANE



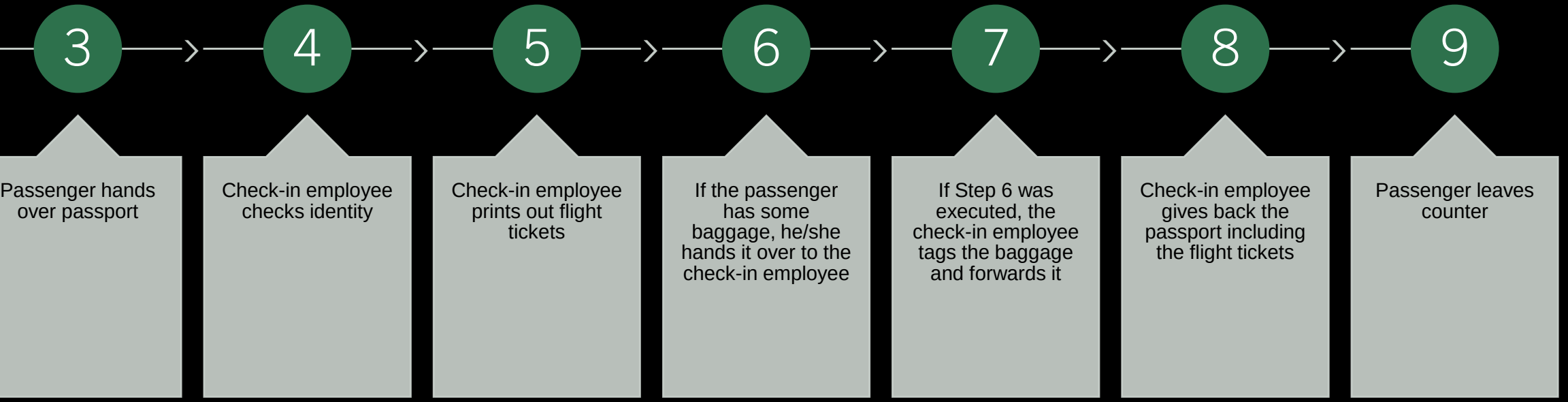
TERMINAL MANAGEMENT


Terminal Management
Condition:
passenger has baggage
Check-in flight
«extend»
«include»
Tag baggage and forward
Hand over baggage
Check-in employee
Passenger
Enter security check
Condition:
Forbidden items detected
«extend»
Security employee
Start individual security check
Check passport
Border police
Condition:
Passenger is not from EU
or EWR
«extend»
Confirm visa
Gather flight information
Flight information system

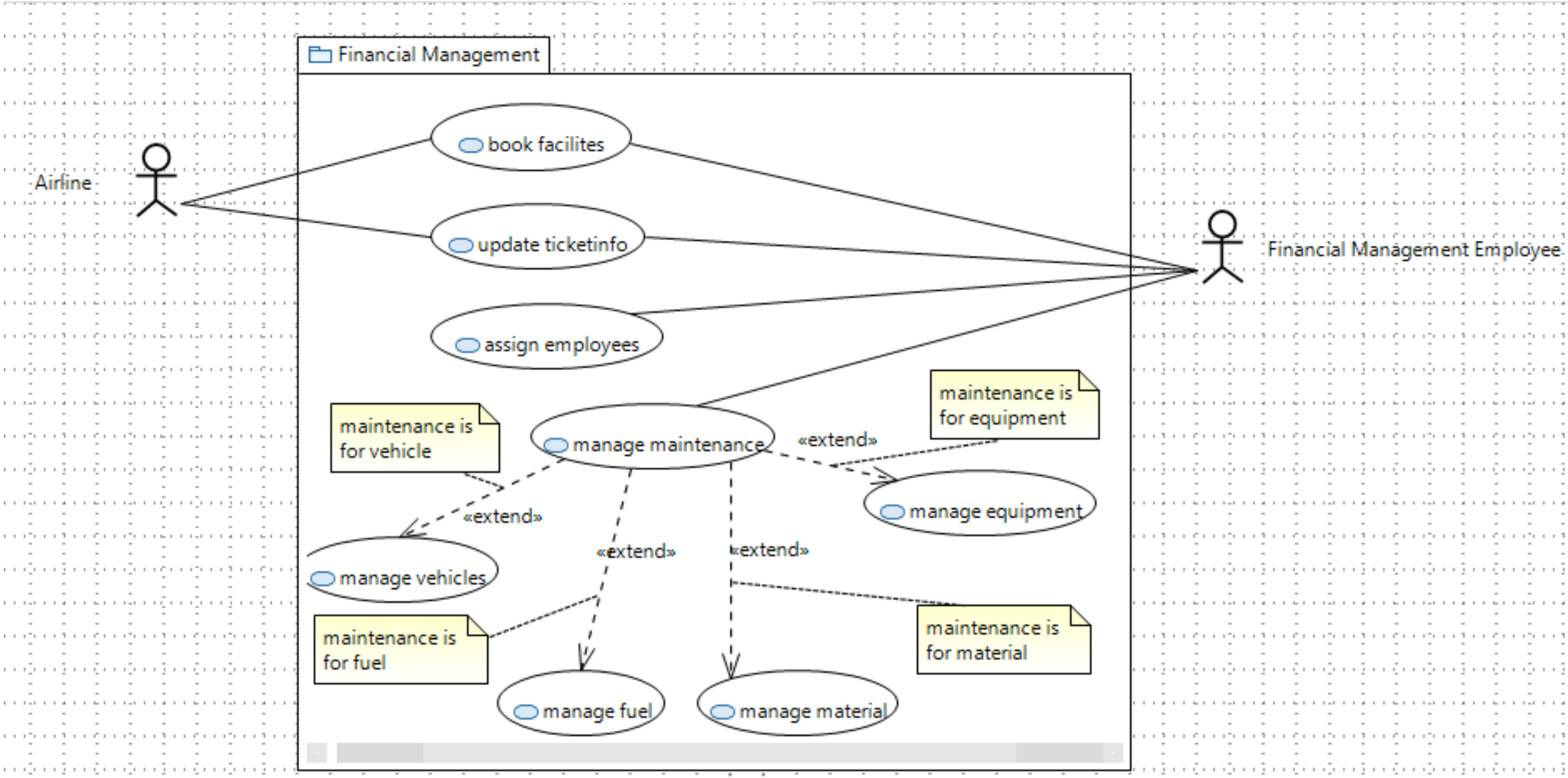
CHECK IN FLIGHT



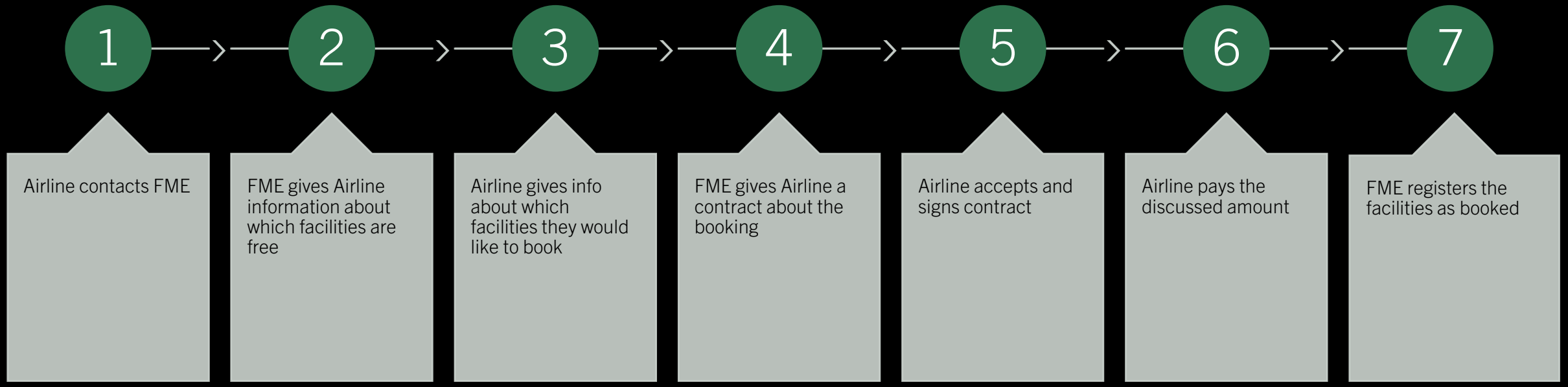
CHECK IN FLIGHT



FINANCIAL MANAGEMENT


Financial Management
Airline
book facilites
update ticketinfo
assign employees
Financial Management Employee
maintenance is for vehicle
manage maintenance
«extend»
maintenance is for equipment
manage equipment
«extend»
manage vehicles
«extend»
«extend»
maintenance is for fuel
maintenance is for material
manage fuel
manage material

BOOK FACILITY



THANKS FOR YOUR ATTENTION