

Kauai Regional ITS Architecture

Customized Service Package Diagrams

*based on
National ITS Architecture Version 7.0*

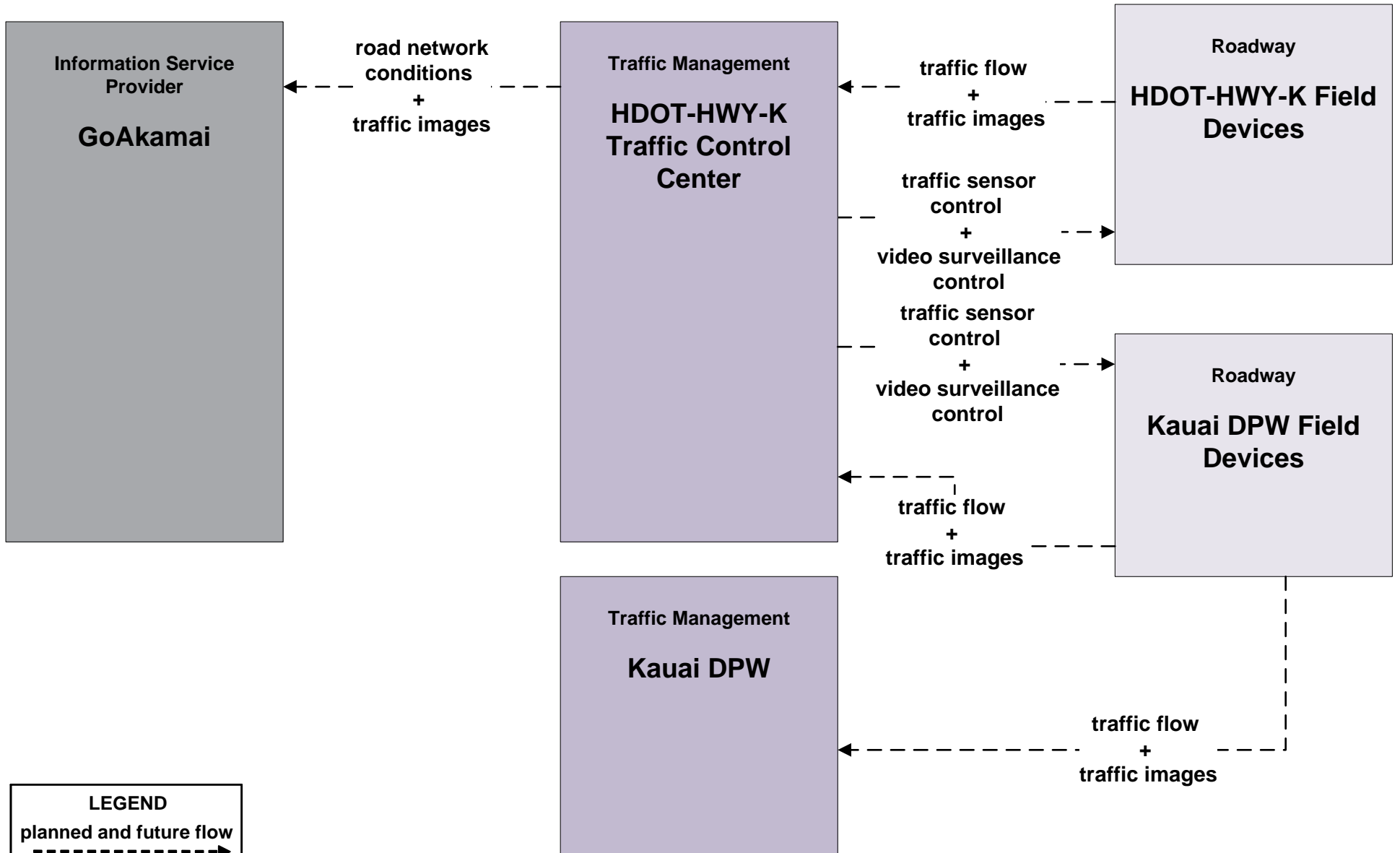
April 4th, 2017

Kauai Regional ITS Architecture

Customized Service Package Diagrams

Advanced Traffic Management Systems (ATMS)

ATMS01 - Network Surveillance
HDOT Highways Kauai District (HDOT-HWY-K)



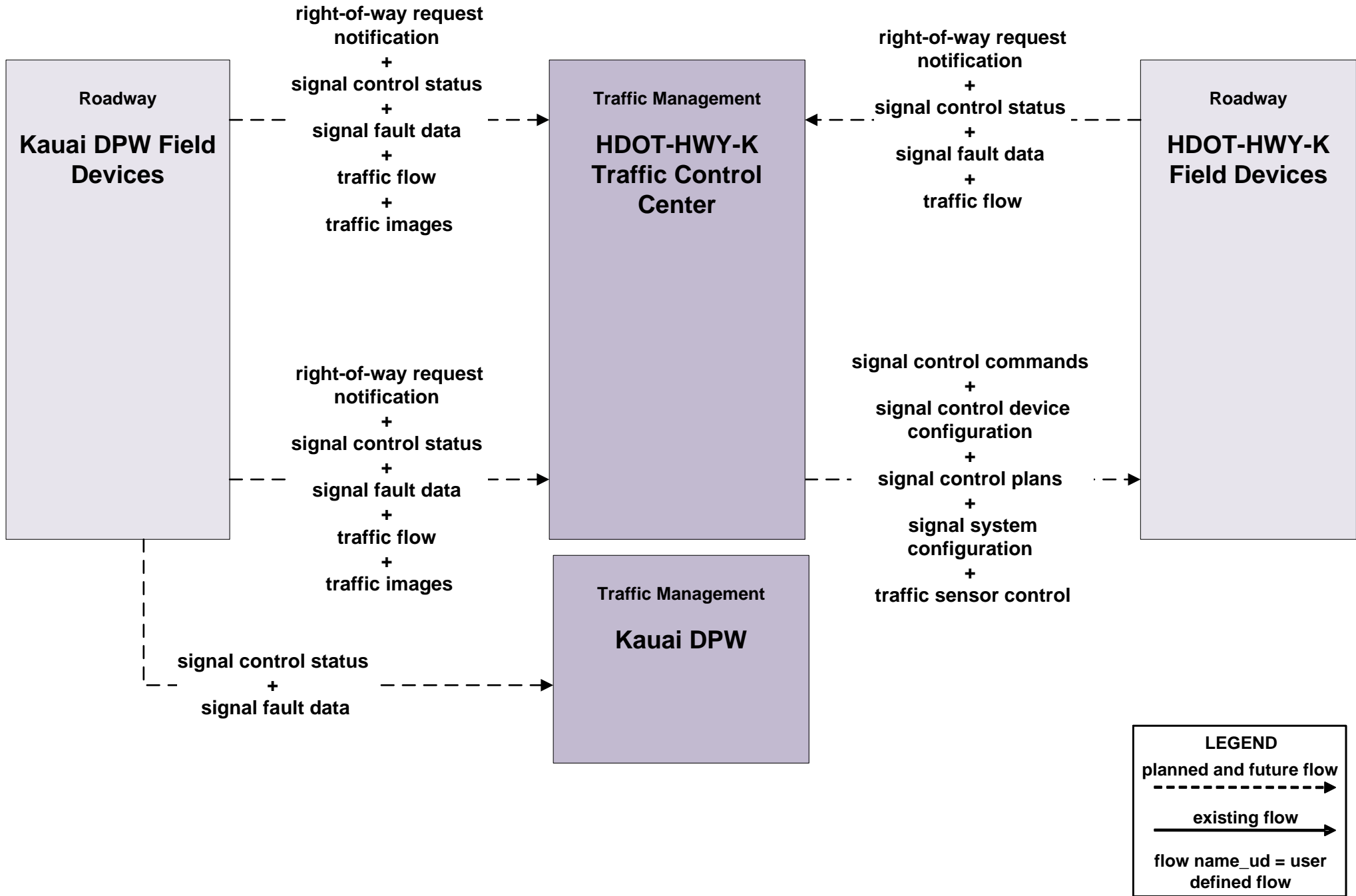
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planned and future flow
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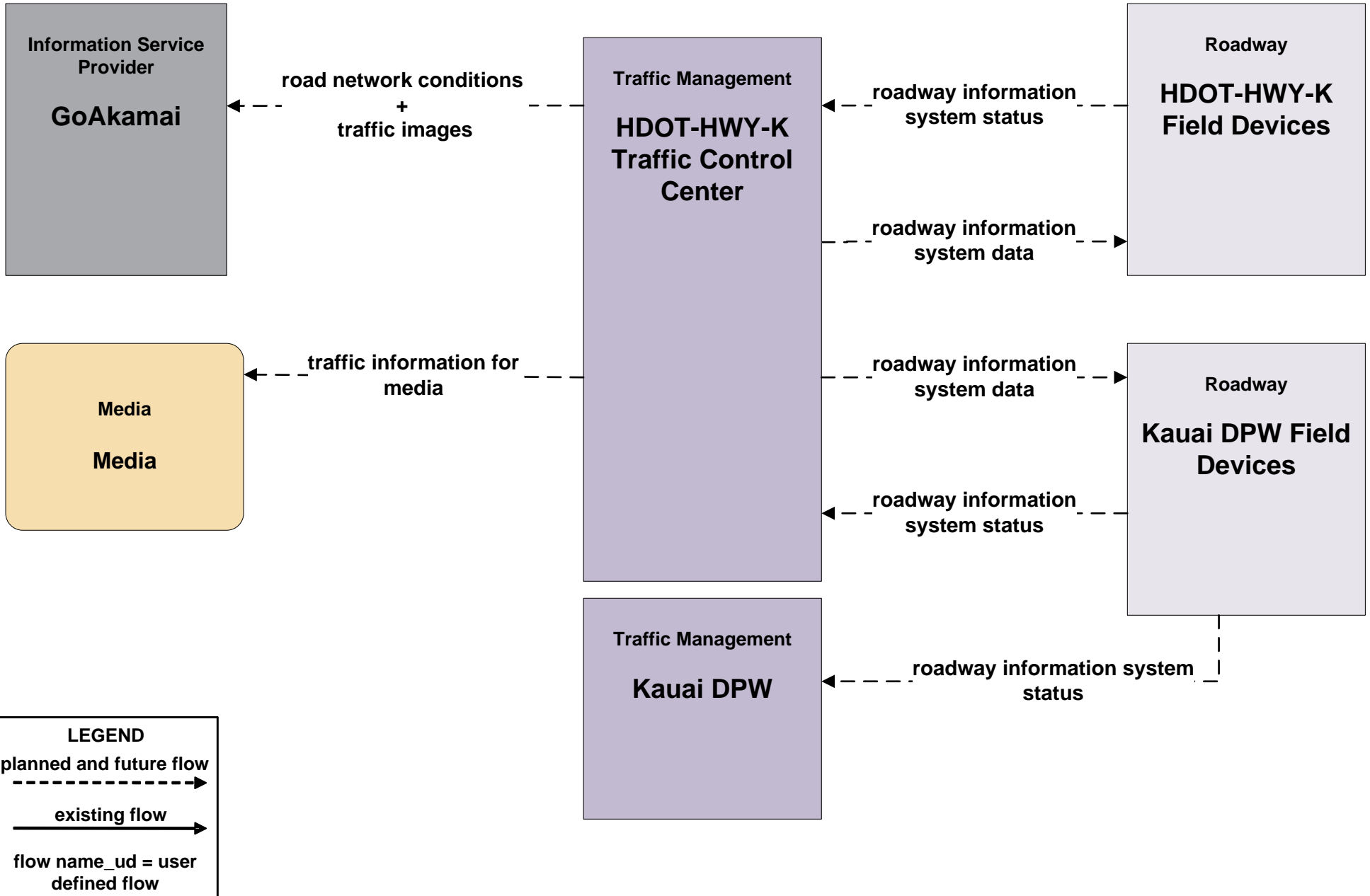
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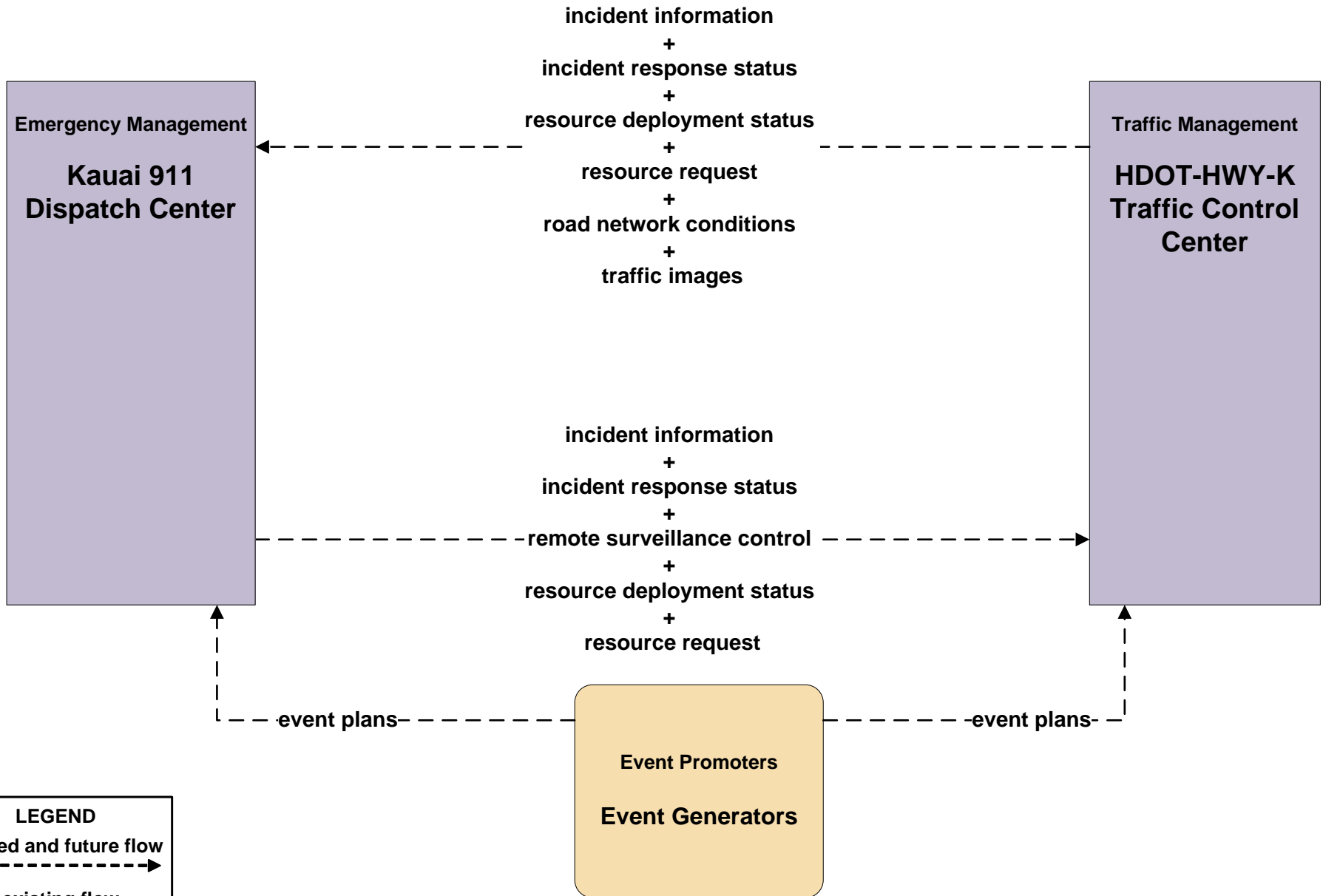
ATMS03 - Traffic Signal Control HDOT Highways Kauai District (HDOT-HWY-K)



ATMS06 - Traffic Information Dissemination HDOT Highways Kauai District (HDOT-HWY-K)

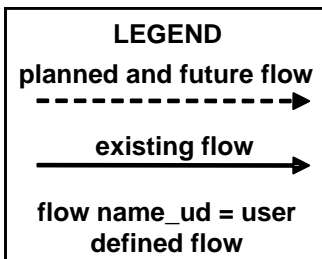
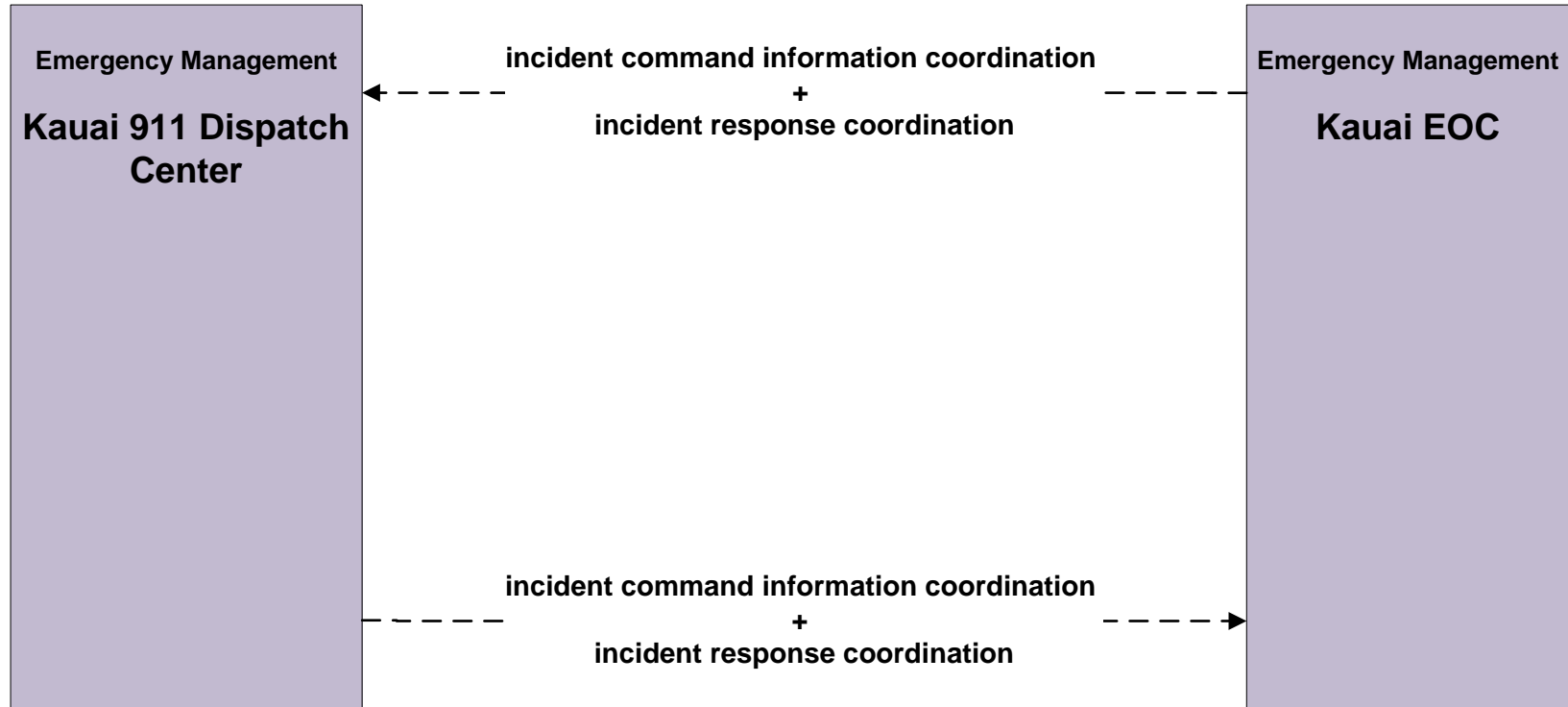


**ATMS08 - Incident Management
 HDOT Highways Kauai District (HDOT-HWY-K)**

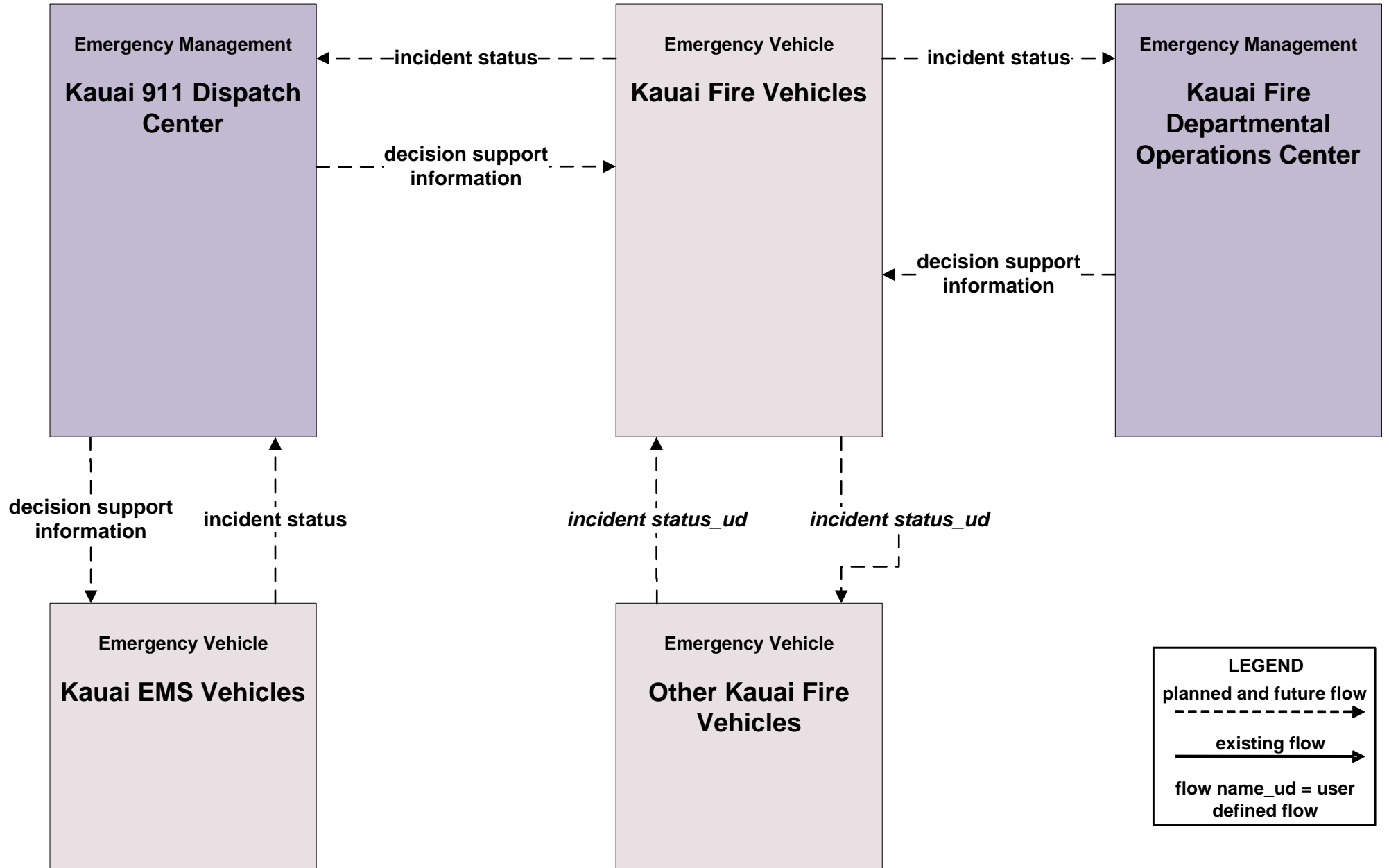


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 planned and future flow
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 existing flow
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 flow name_ud = user defined flow

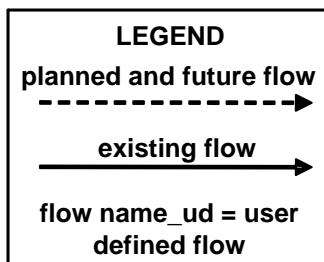
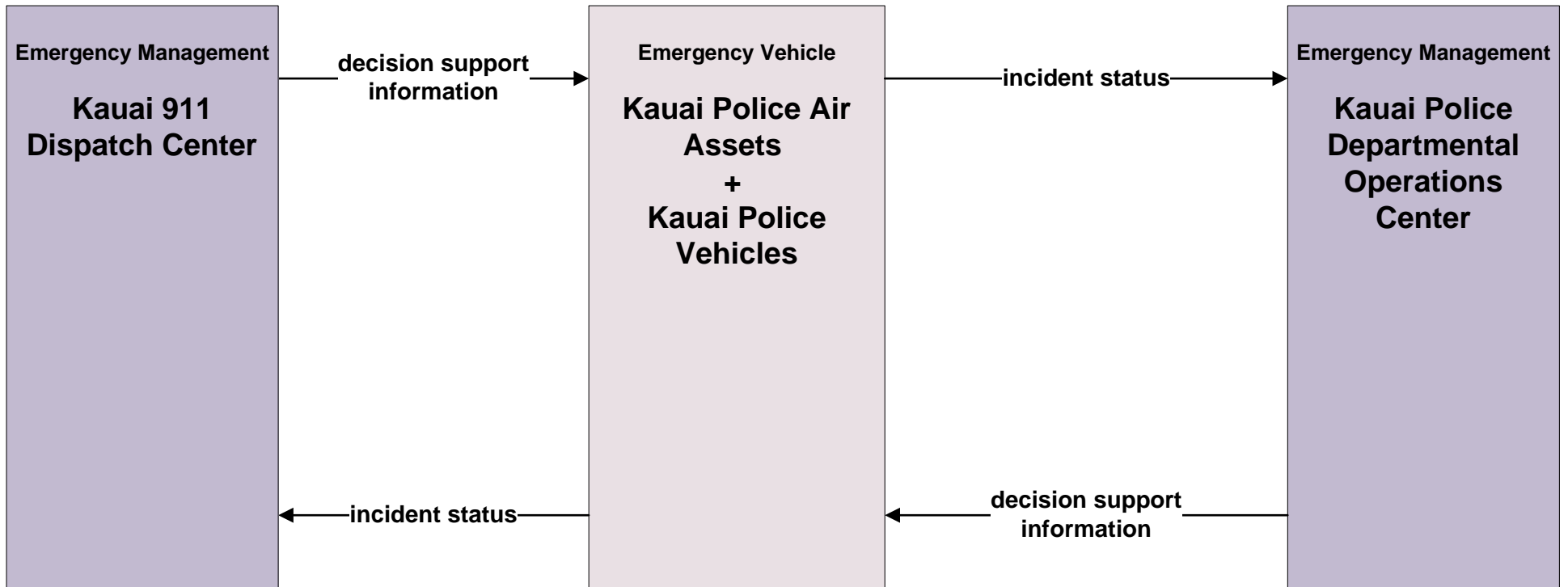
**ATMS08 - Incident Management
Kauai Emergency Incident Coordination**



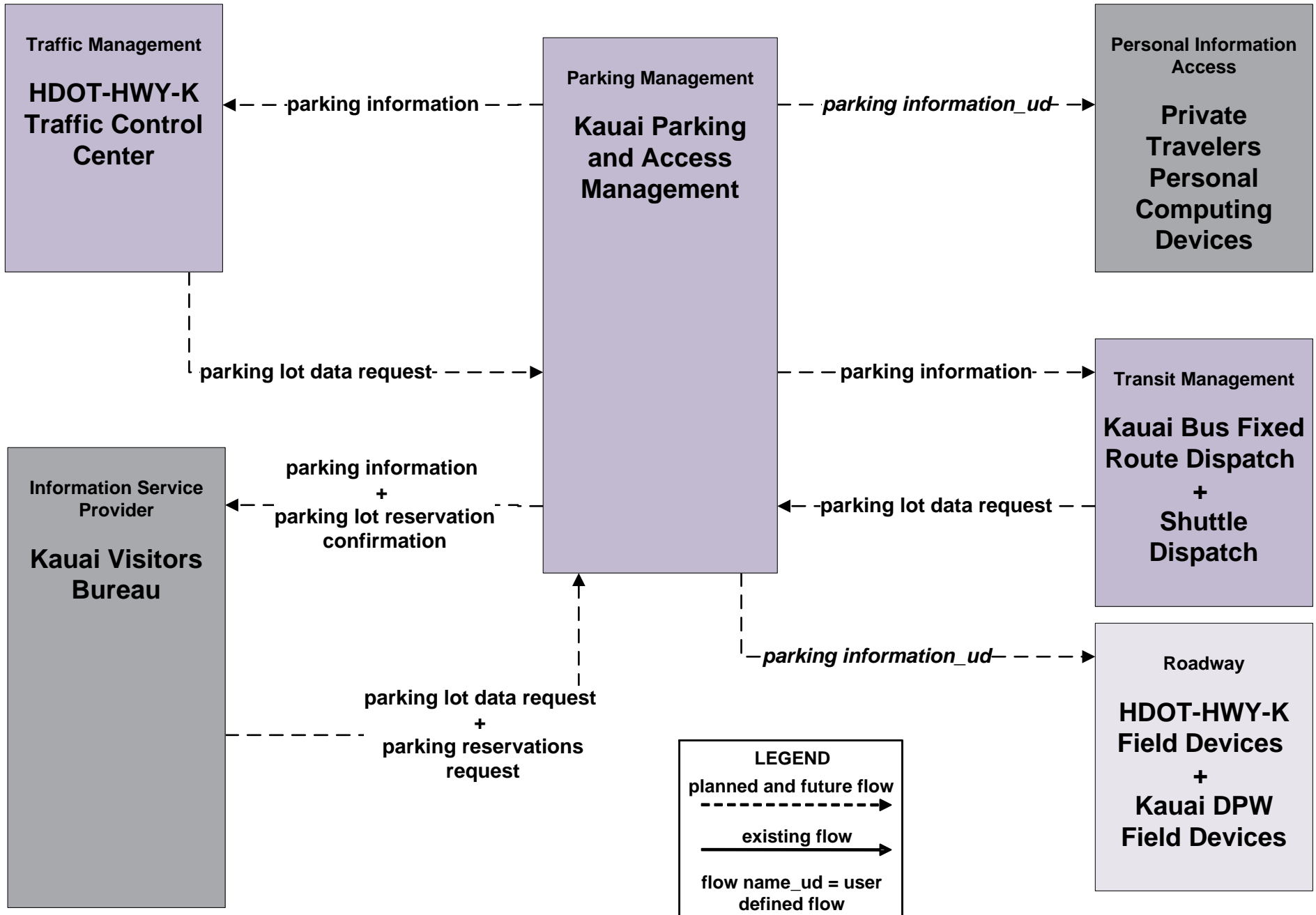
ATMS08 - Incident Management Kauai Emergency Vehicles



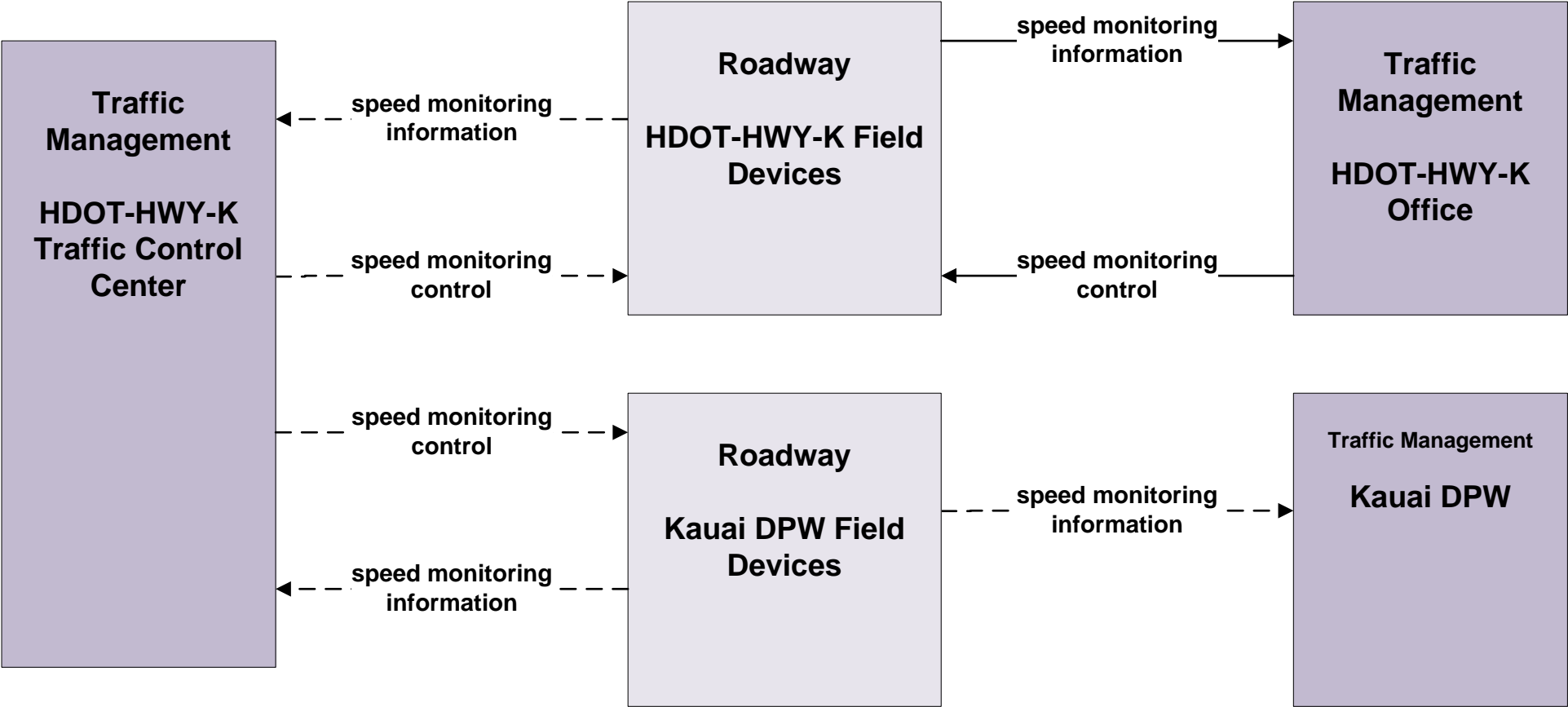
ATMS08 - Incident Management Kauai Emergency Vehicles



ATMS17 - Regional Parking Management Kauai Parking and Access Management



**ATMS19 - Speed Monitoring
 HDOT Highways Kauai District (HDOT-HWY-K)**



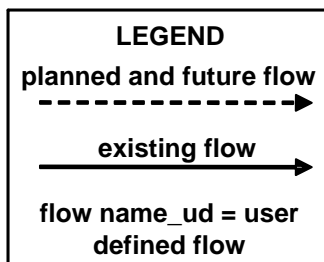
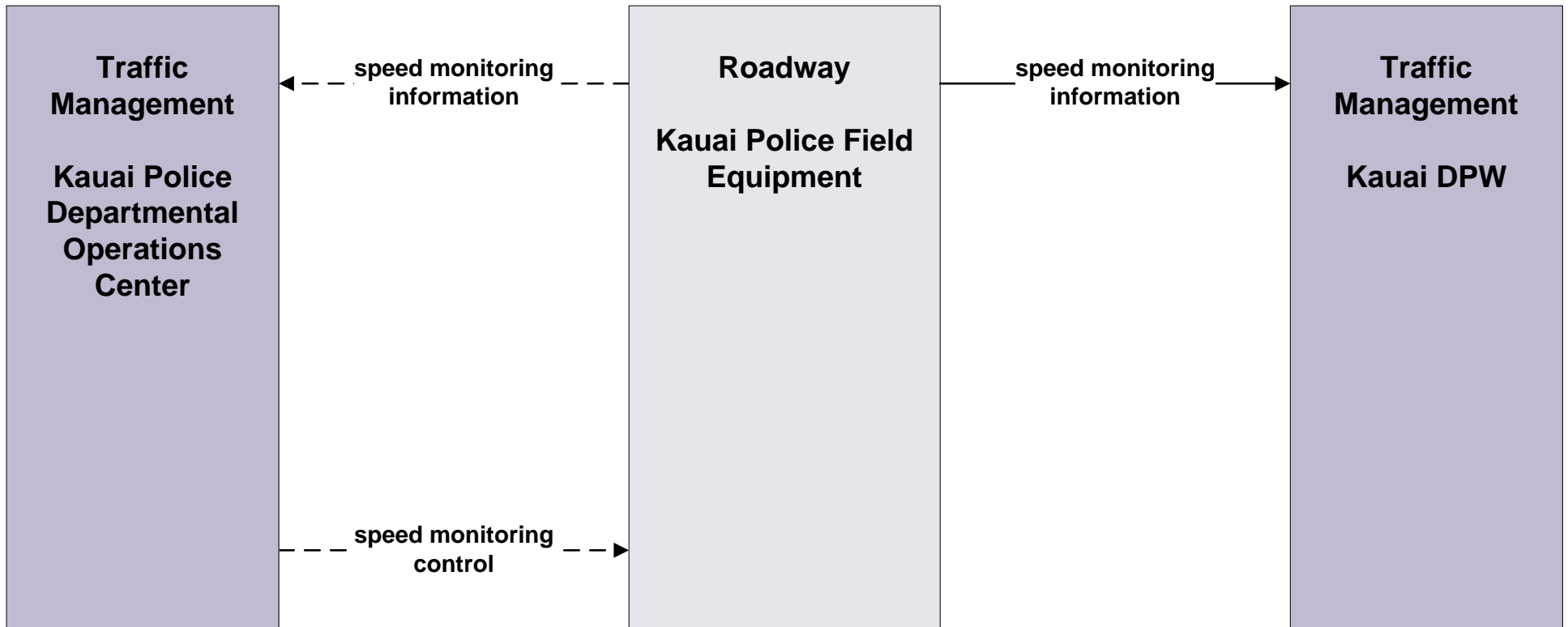
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planned and future flow
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existing flow
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flow name_ud = user defined flow

**ATMS19 - Speed Monitoring
Kauai Police Department**

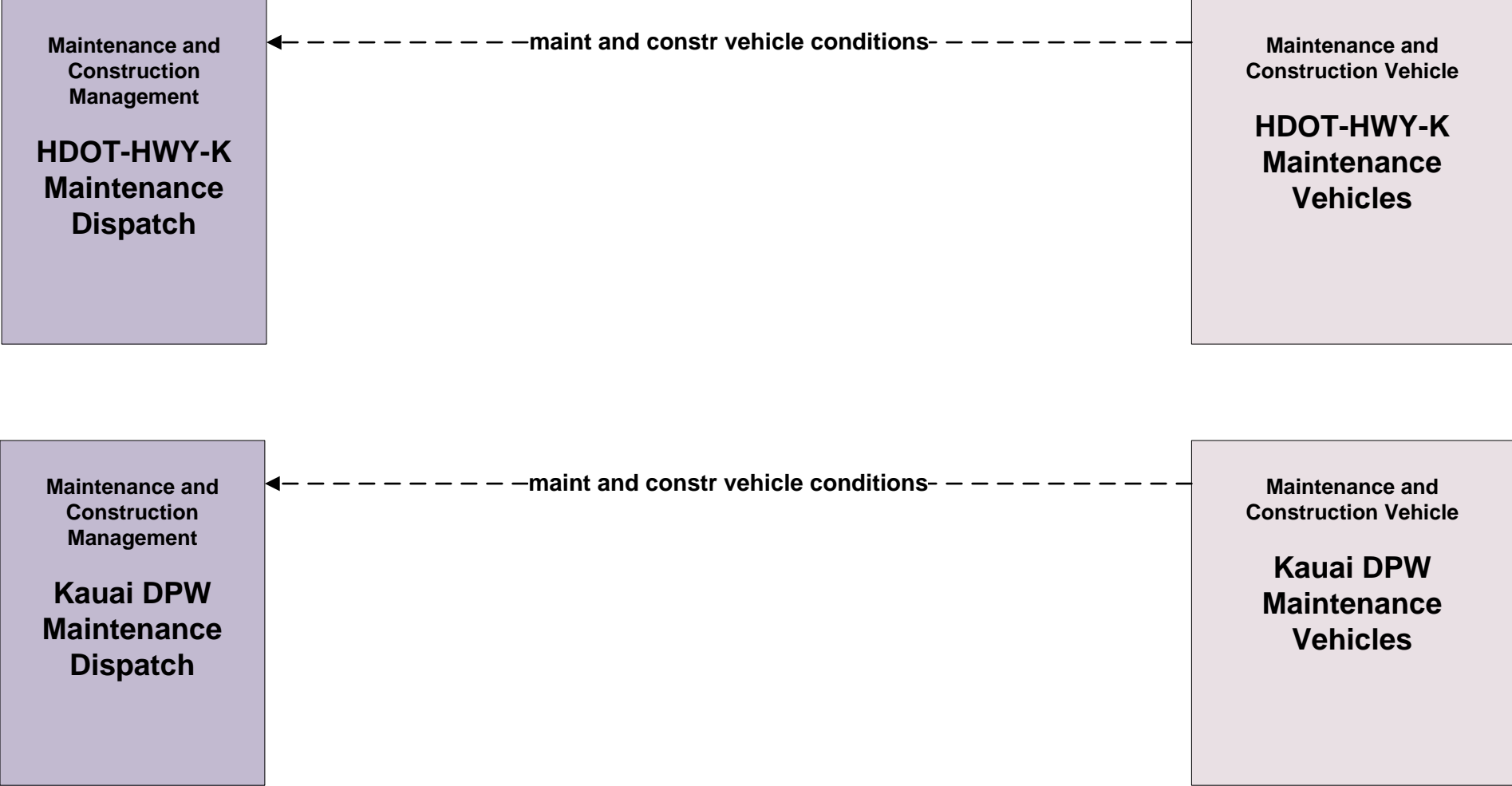


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Customized Service Package Diagrams

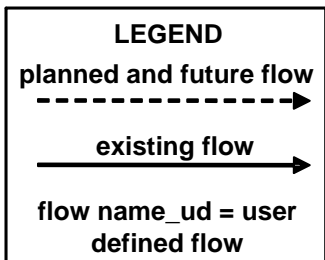
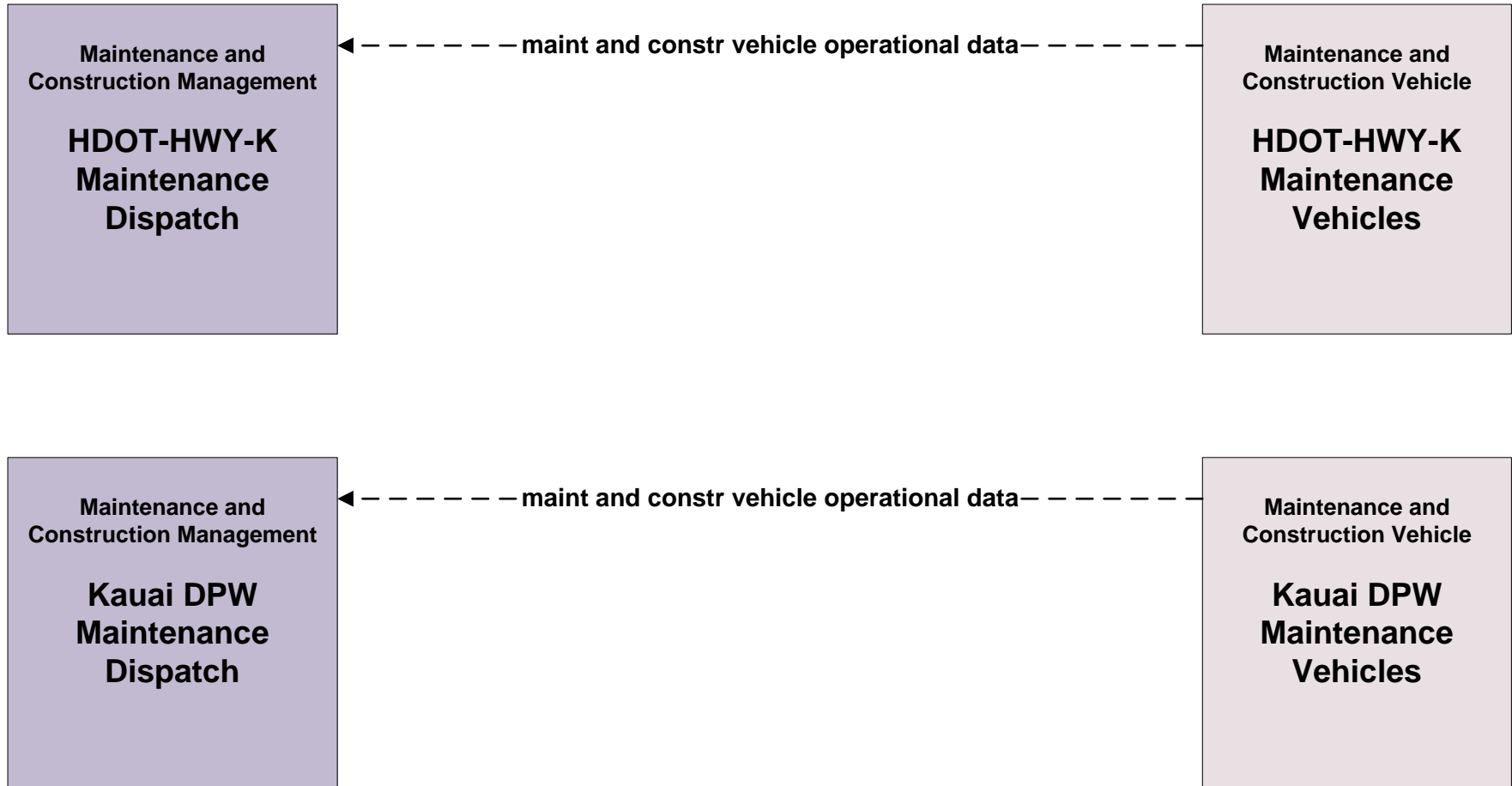
Maintenance and Construction (MC)

**MC02 - Maintenance and Construction Vehicle Maintenance
HDOT Highways Kauai District (HDOT-HWY-K)
and Kauai Department of Public Works (DPW)**

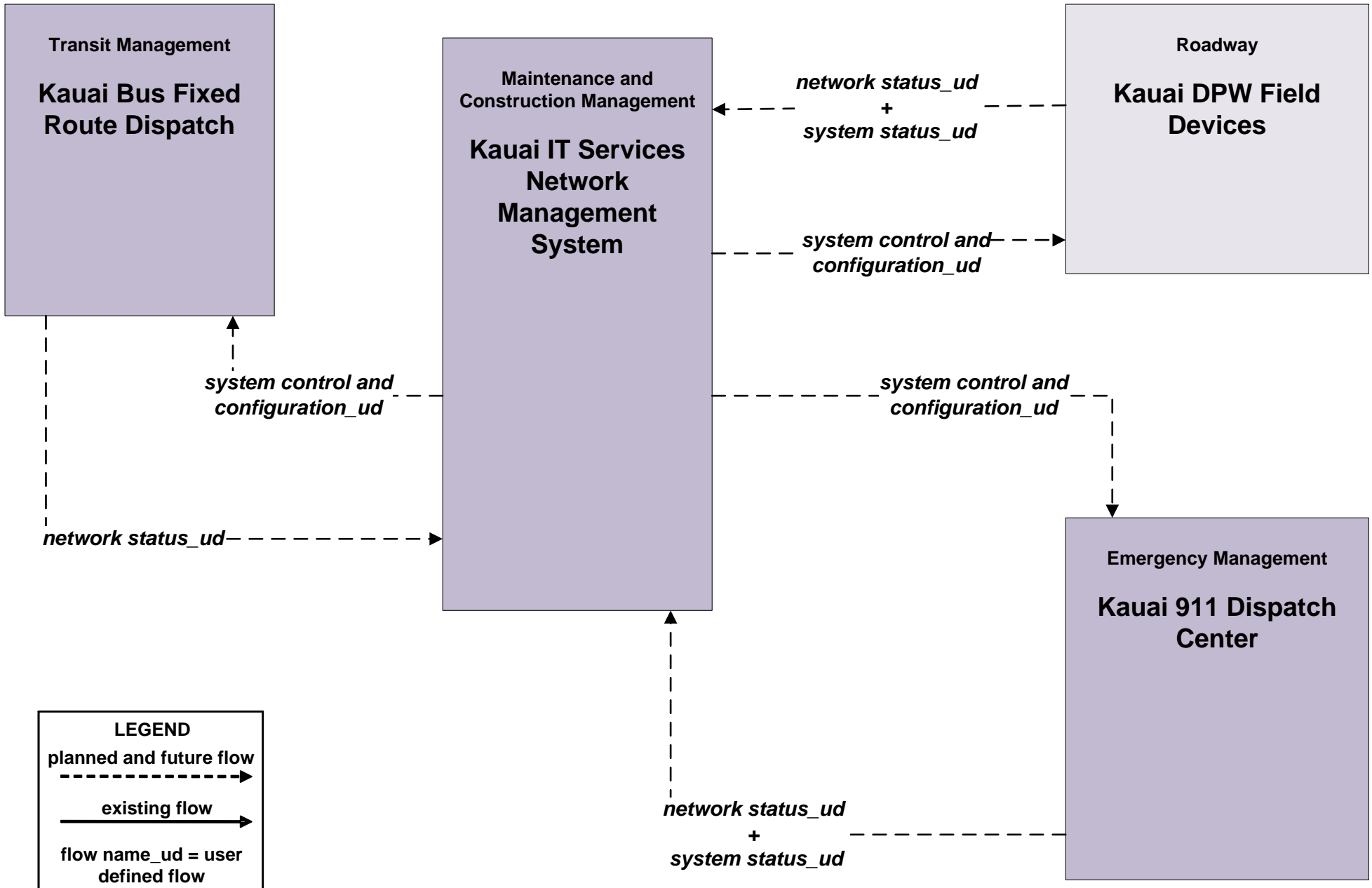


LEGEND
planned and future flow
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existing flow
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flow name_ud = user defined flow

**MC07 - Roadway Maintenance and Construction
HDOT Highways Kauai District (HDOT-HWY-K)
and Kauai Department of Public Works (DPW)**



MC12 - Communication and Information Systems Monitoring
Kauai Department of Finance, Information Technology

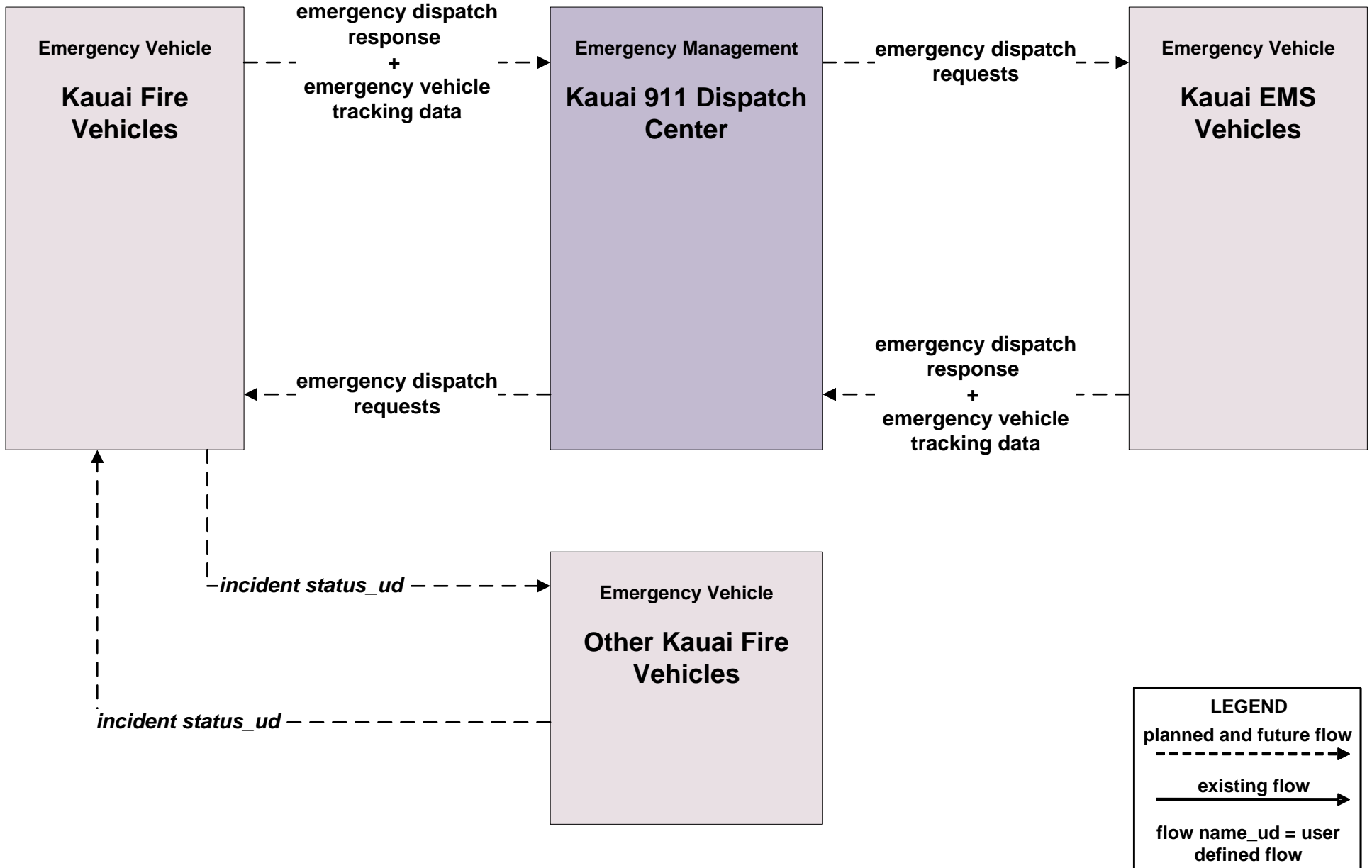


Kauai Regional ITS Architecture

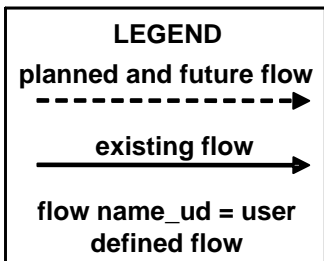
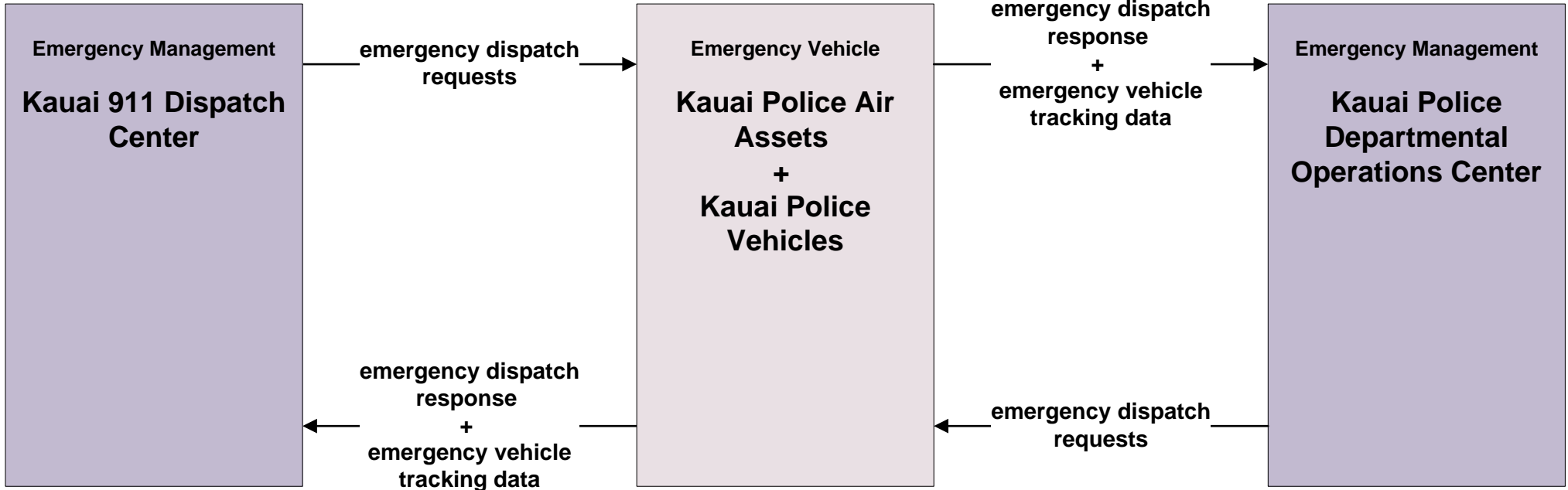
Customized Service Package Diagrams

Emergency Management (EM)

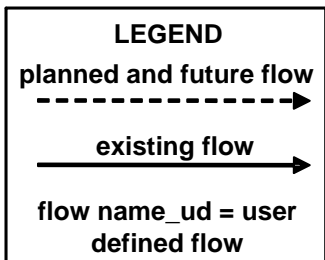
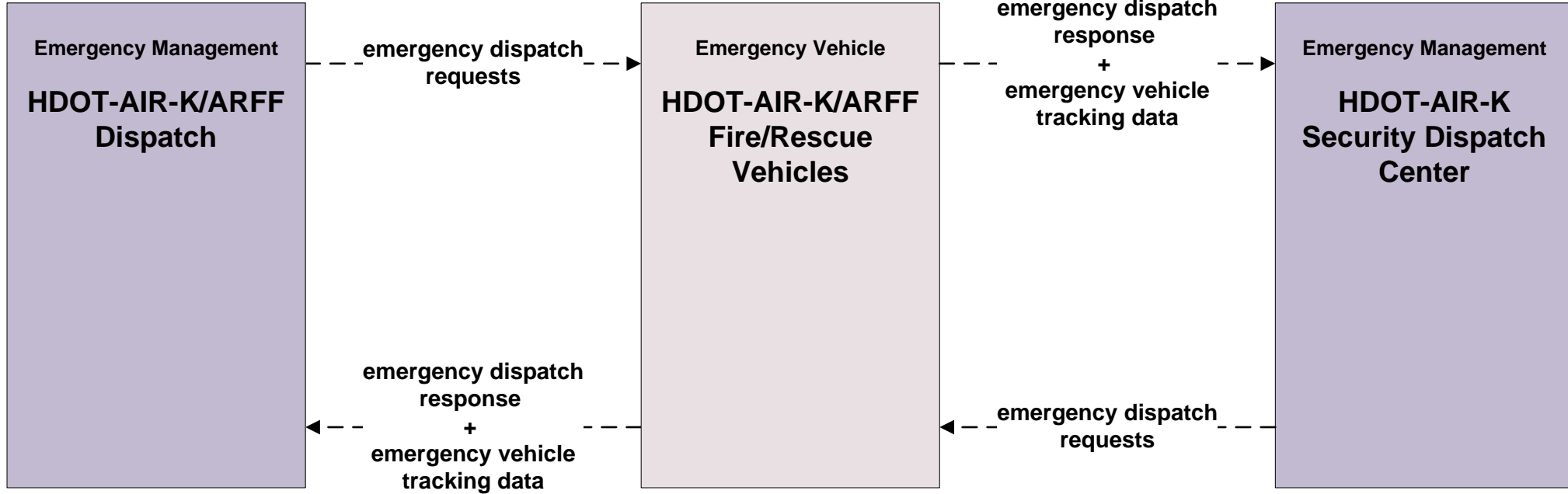
EM01 - Emergency Call-Taking and Dispatch Kauai Fire and EMS



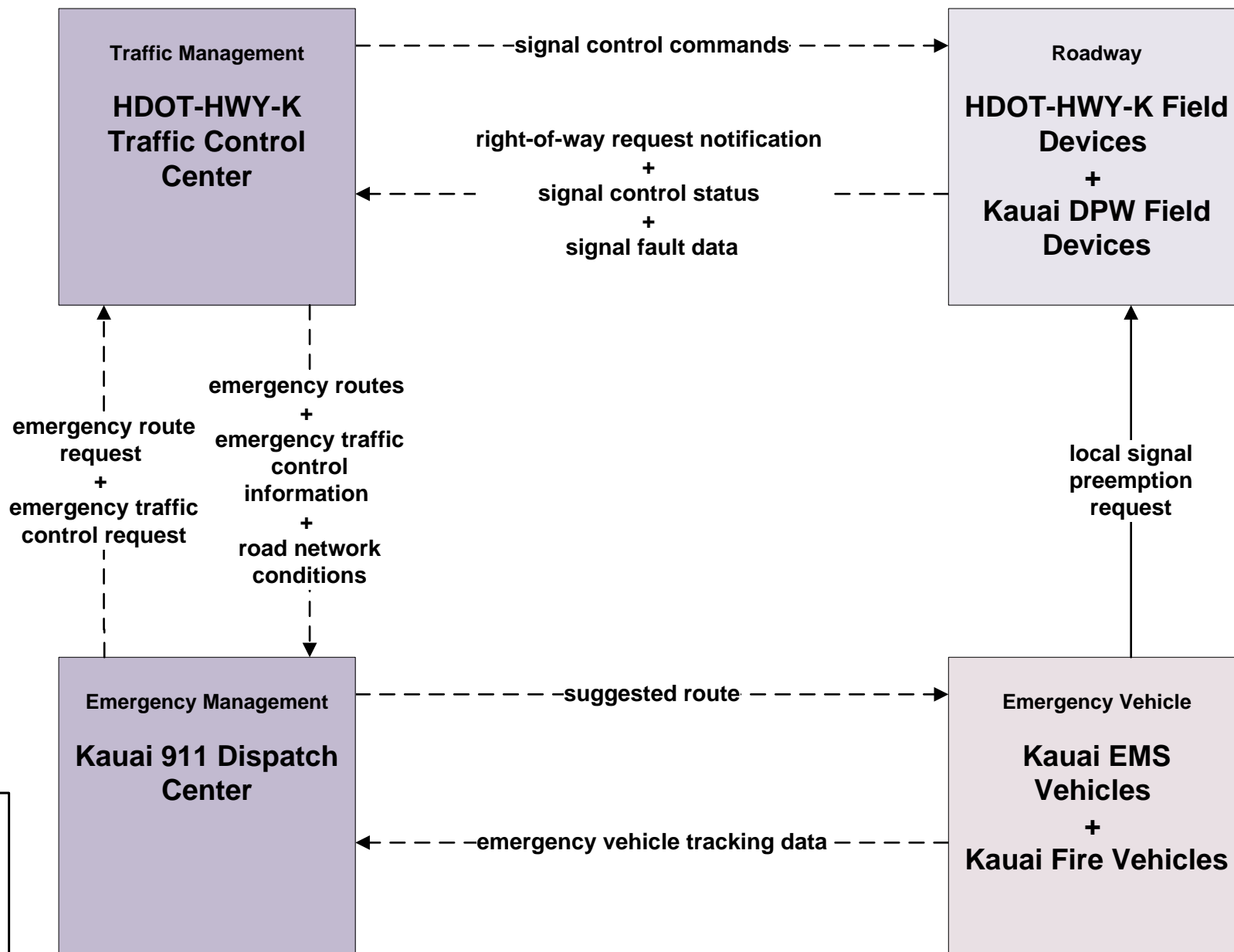
EM01 - Emergency Call-Taking and Dispatch Kauai Police Department



EM01 - Emergency Call-Taking and Dispatch HDOT-AIR-K/ARFF



**EM02 - Emergency Routing
 HDOT Highways Kauai District (HDOT-HWY-K)
 and Kauai Fire and EMS**



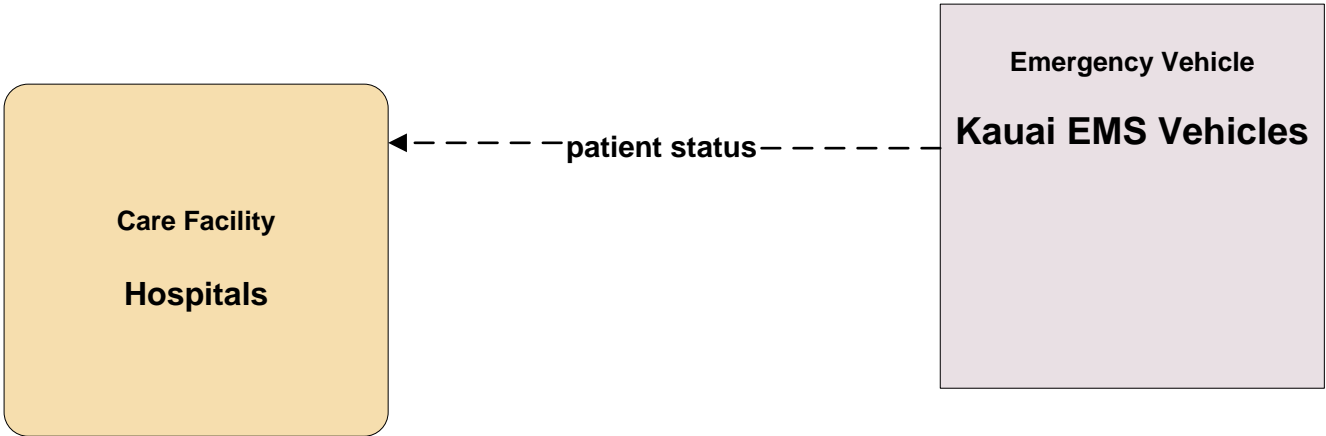
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planned and future flow
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existing flow
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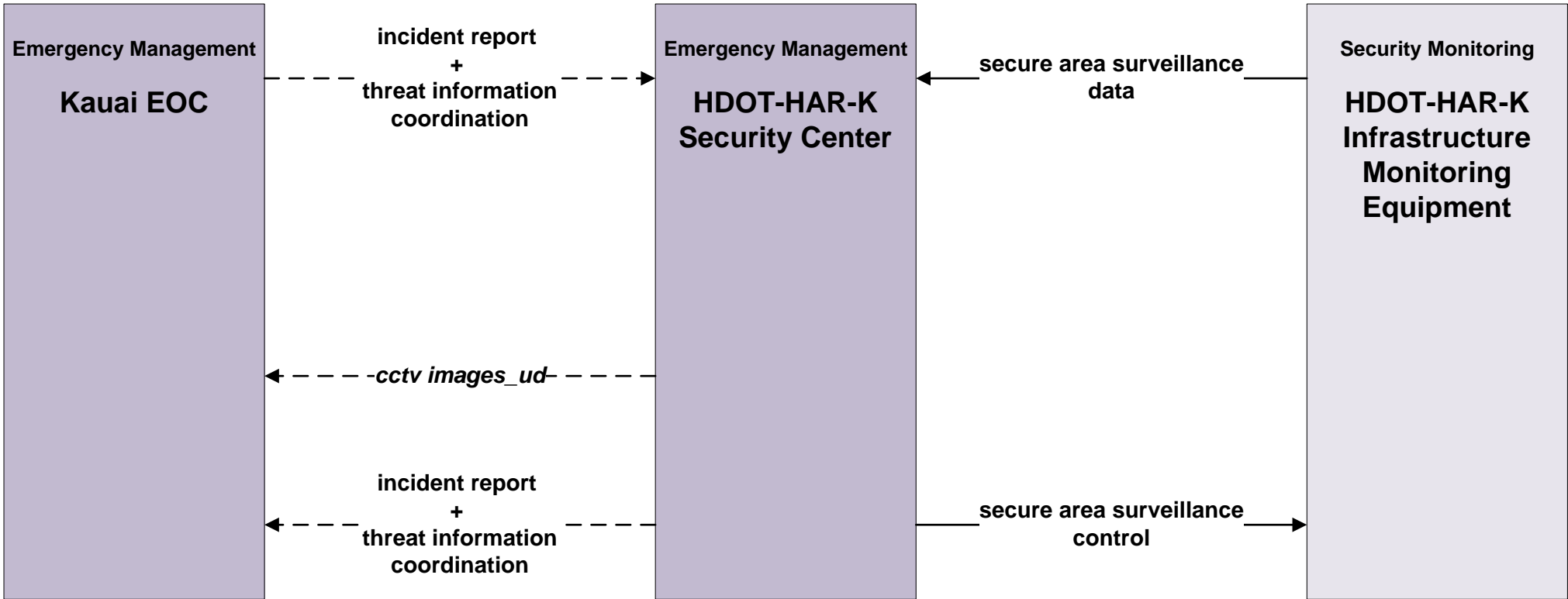
flow name_ud = user
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**EM02 - Emergency Routing
Kauai EMS**



LEGEND
planned and future flow
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existing flow
—————>
flow name_ud = user
defined flow

**EM05 - Transportation Infrastructure Protection
 HDOT Harbors, Kauai District (HDOT-HAR-K)**



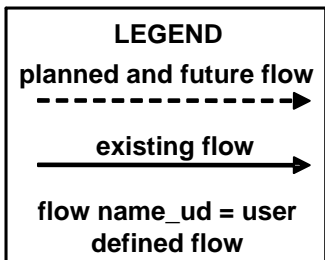
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planned and future flow
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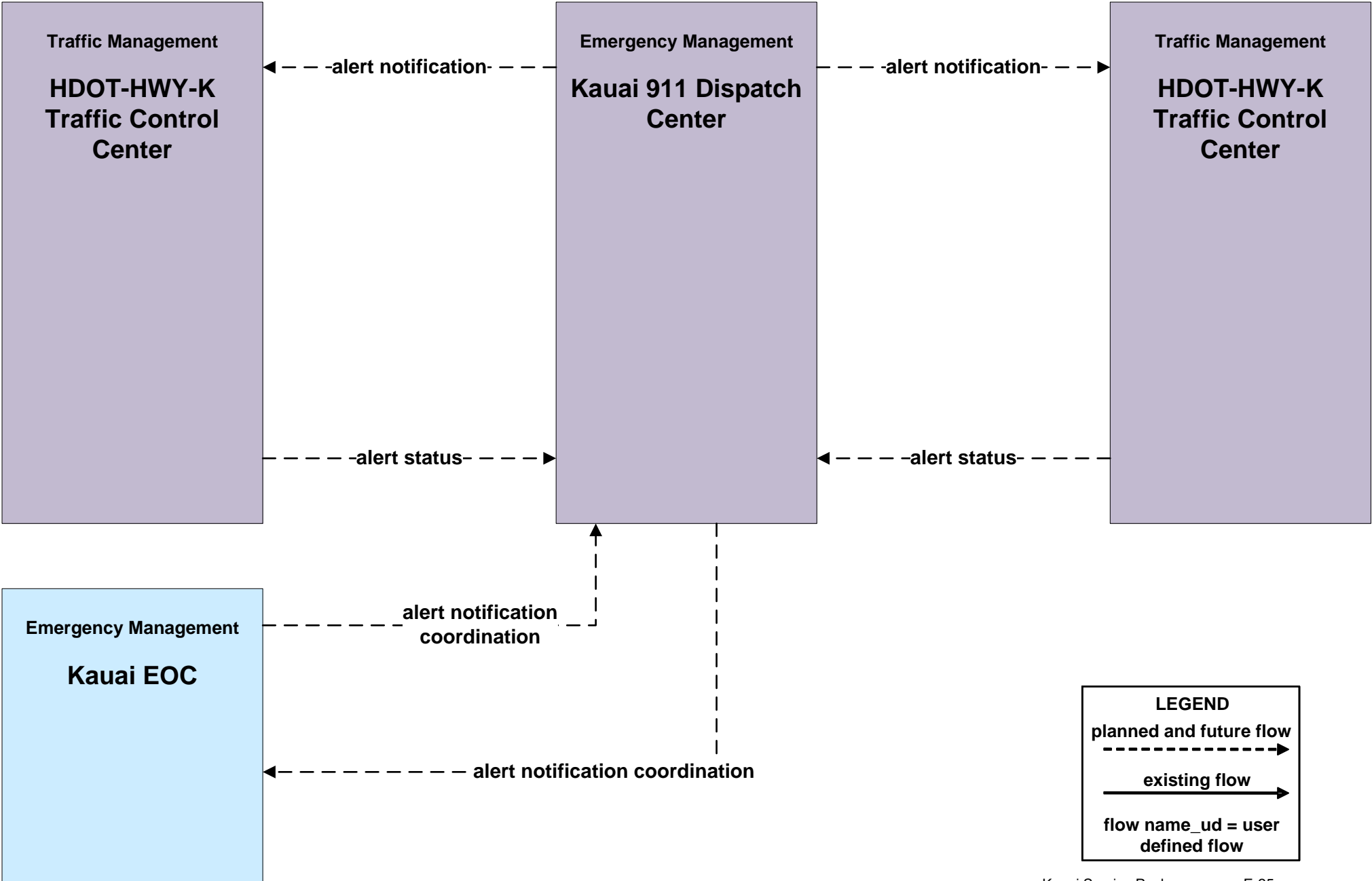
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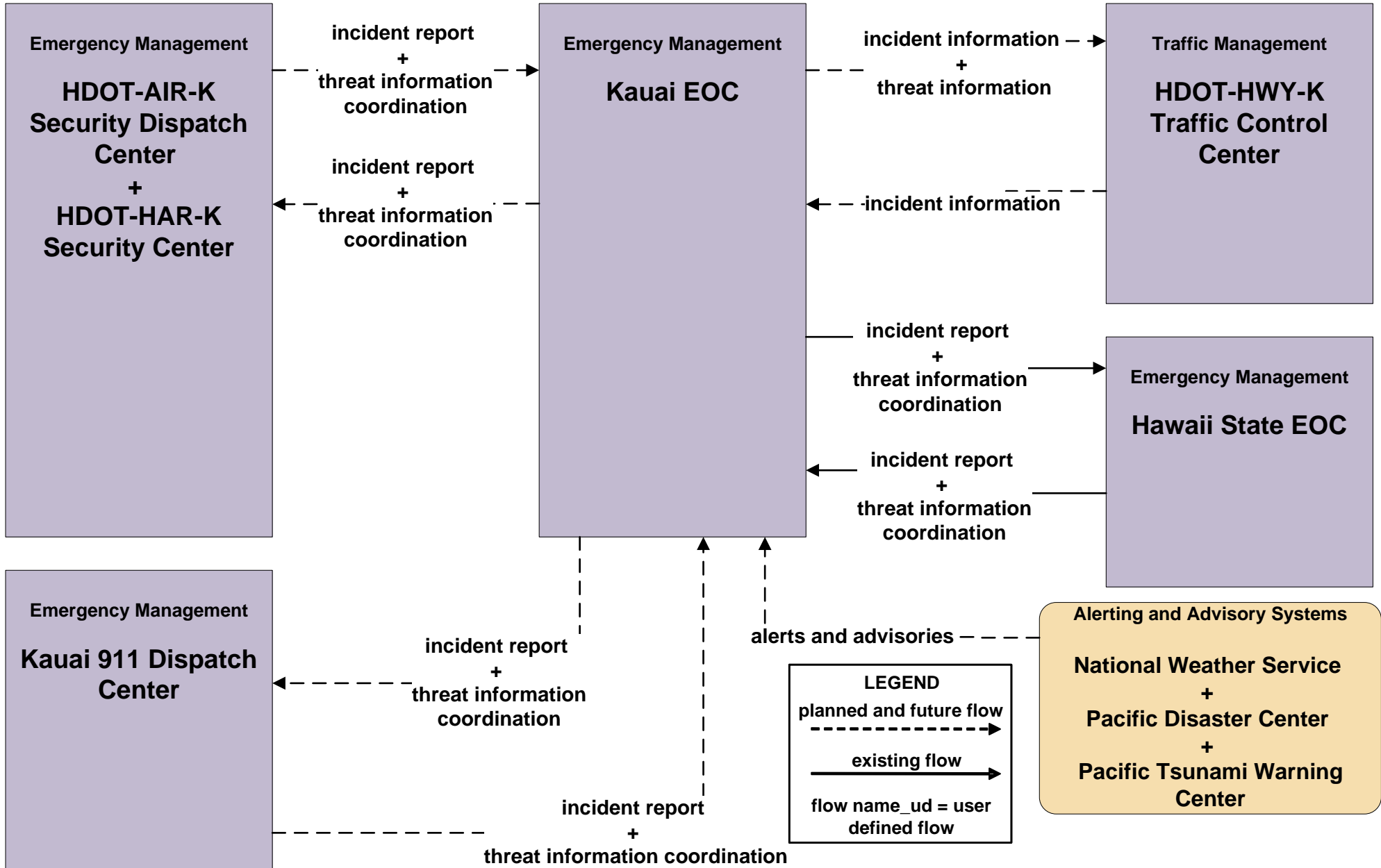
**EM05 - Transportation Infrastructure Protection
HDOT Airports, Kauai District (HDOT-AIR-K)**



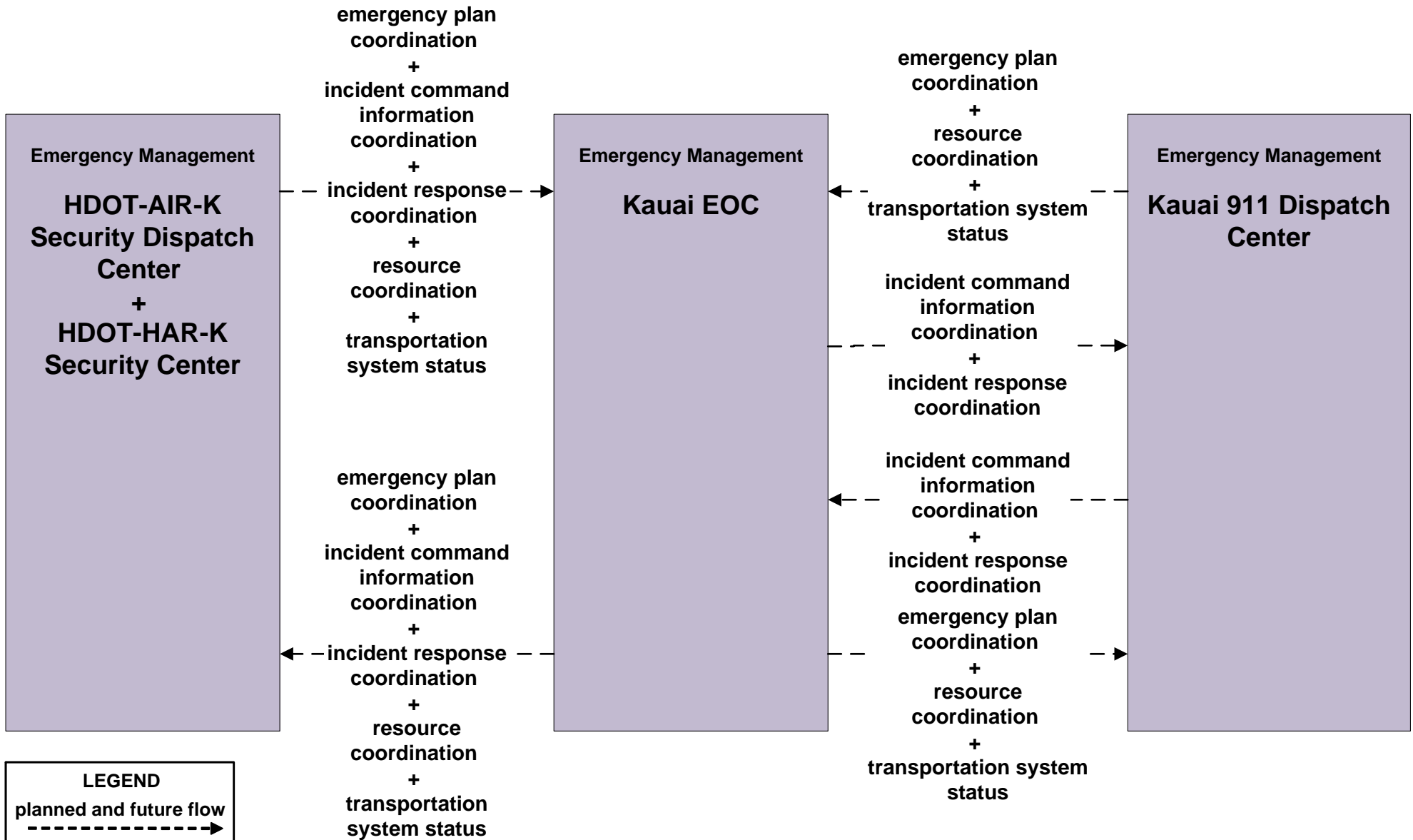
**EM06 - Wide Area Alert
Maile Amber/Silver Alerts**



EM07 - Early Warning System Kauai EOC



**EM08 - Disaster Response and Recovery
Kauai Emergency Operations Center (1 of 3)**



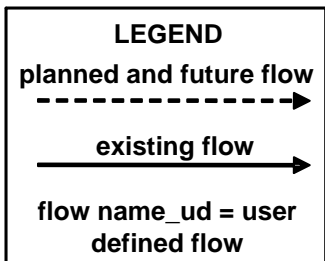
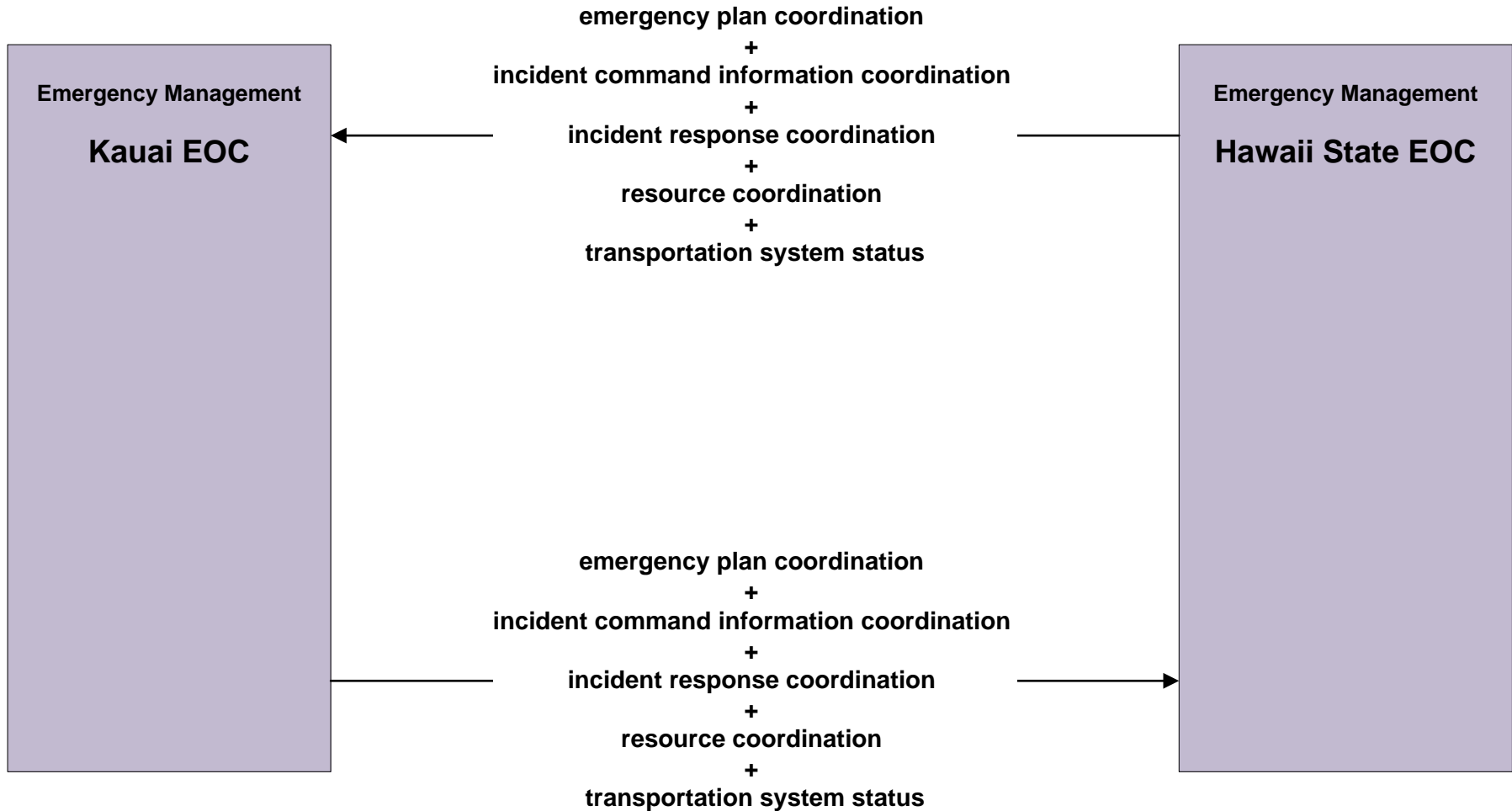
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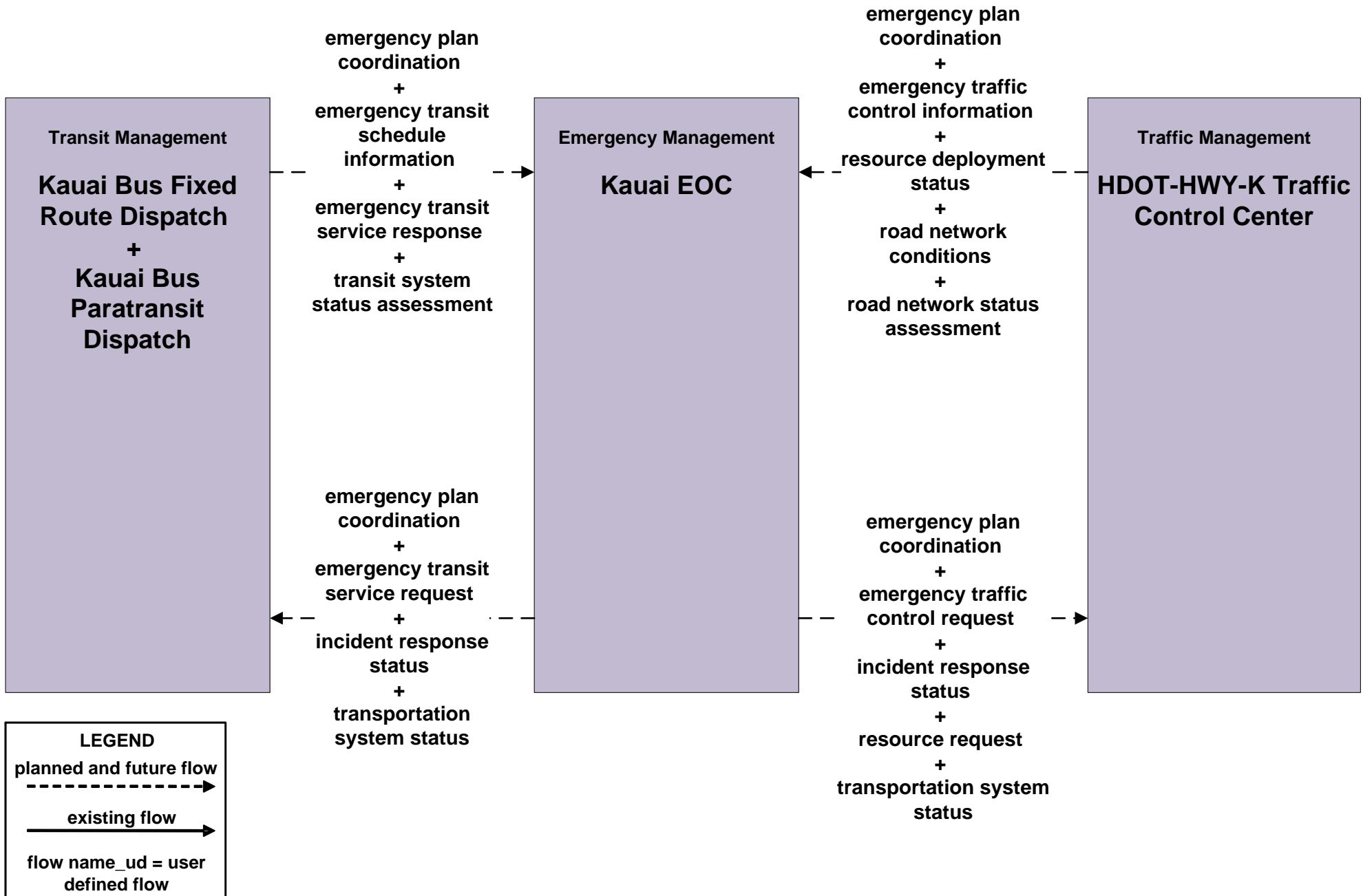
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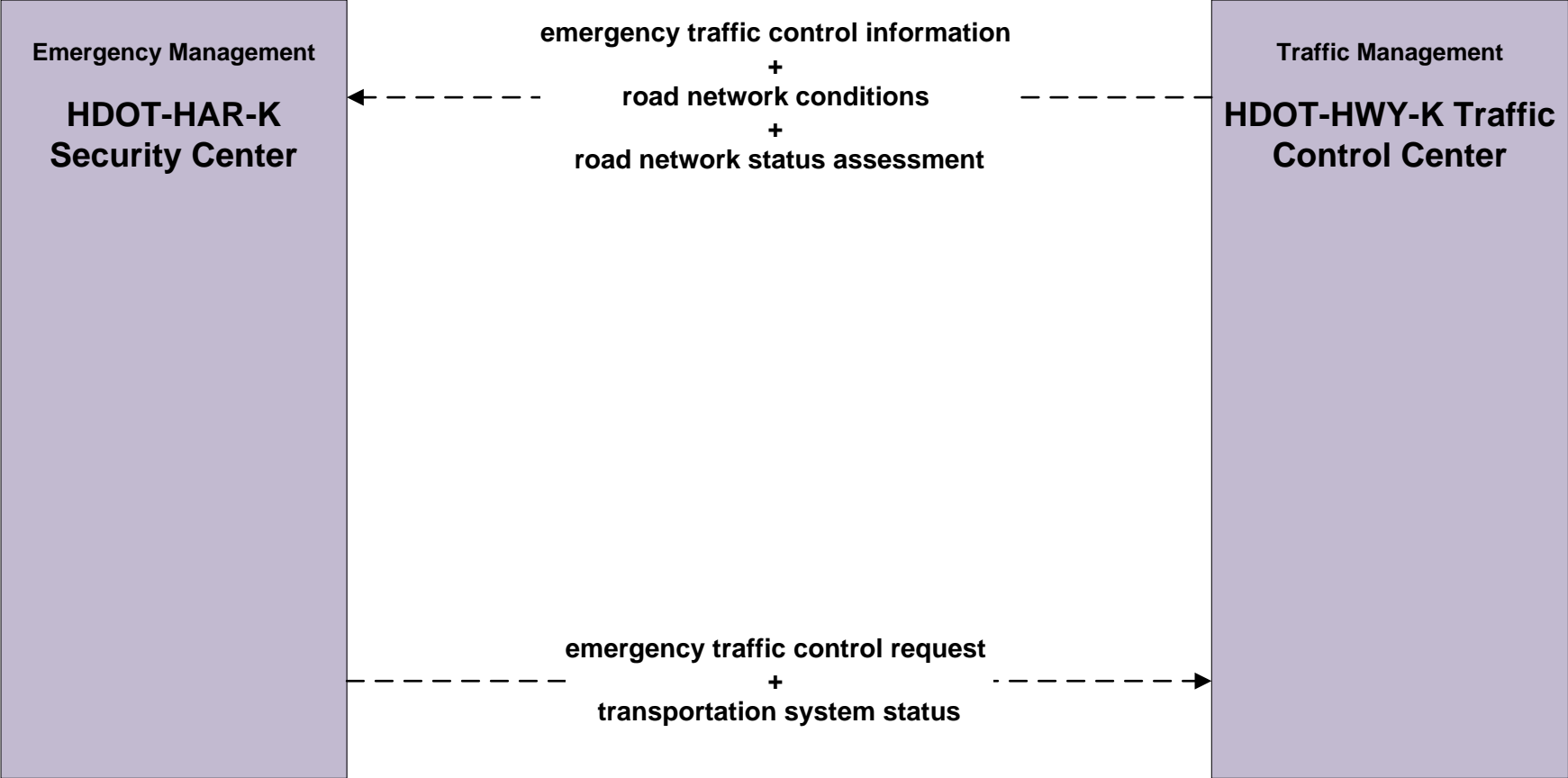
**EM08 - Disaster Response and Recovery
Kauai Emergency Operations Center (2 of 3)**



**EM08 - Disaster Response and Recovery
Kauai Emergency Operations Center (3 of 3)**



**EM08 - Disaster Response and Recovery
HDOT**



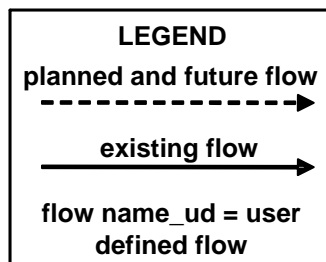
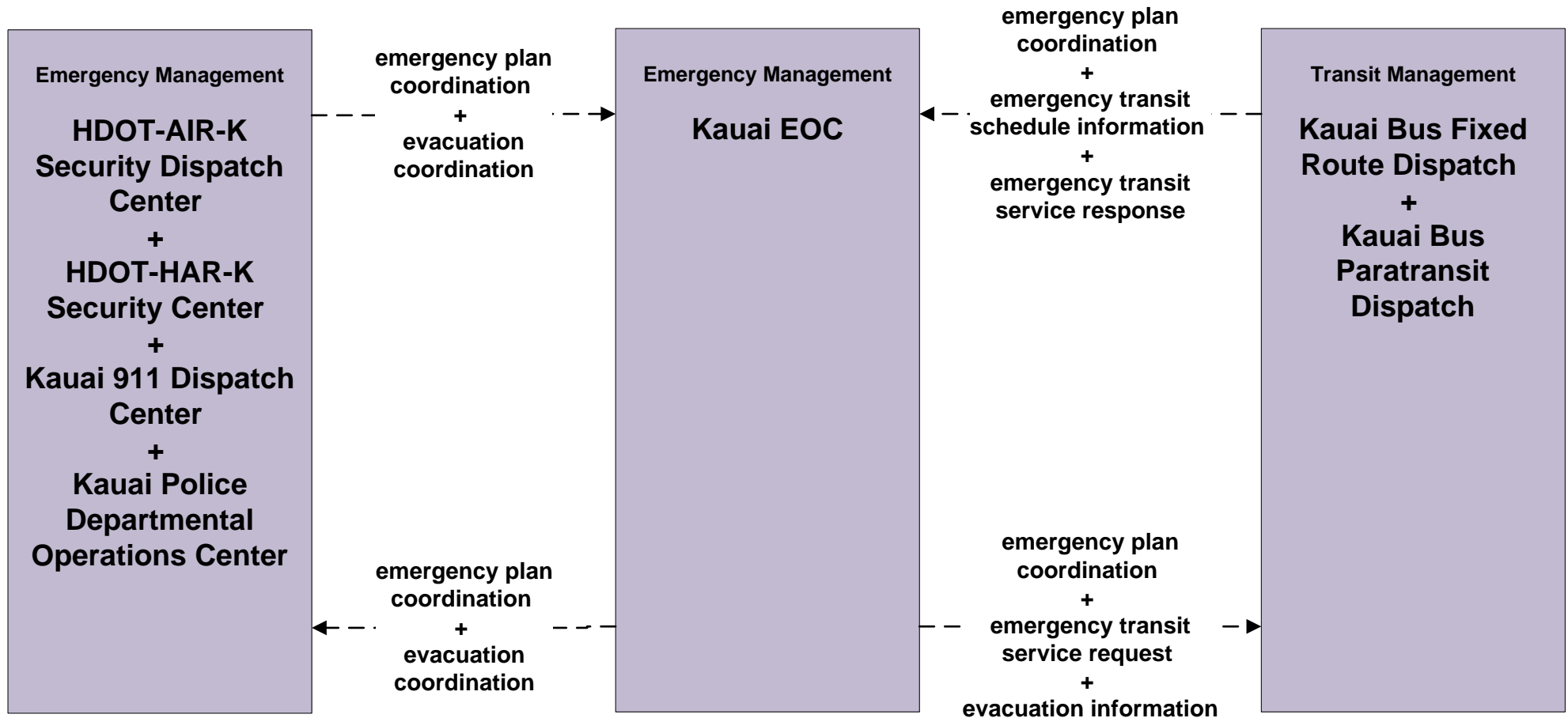
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planned and future flow
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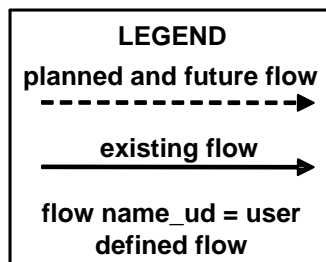
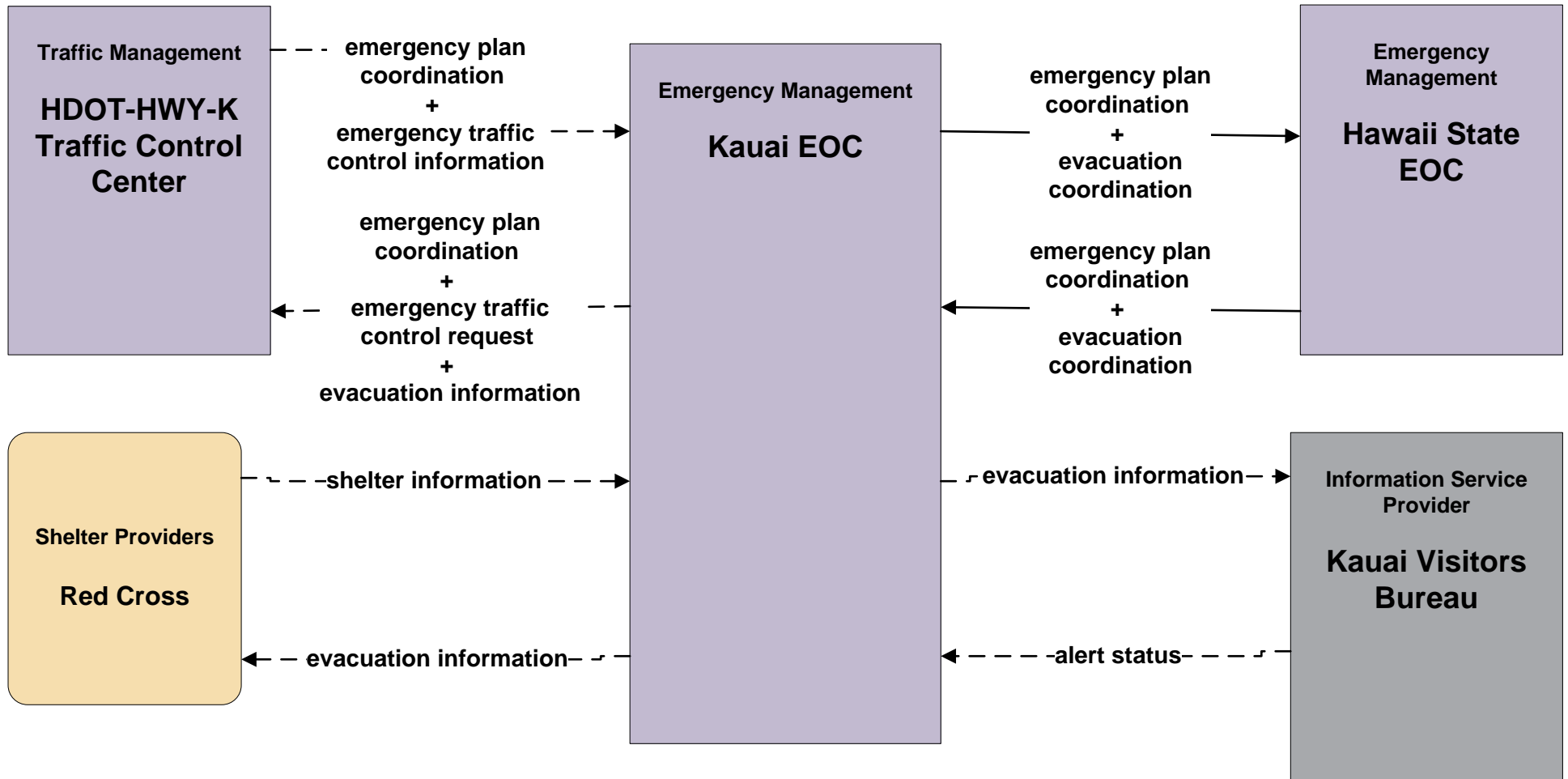
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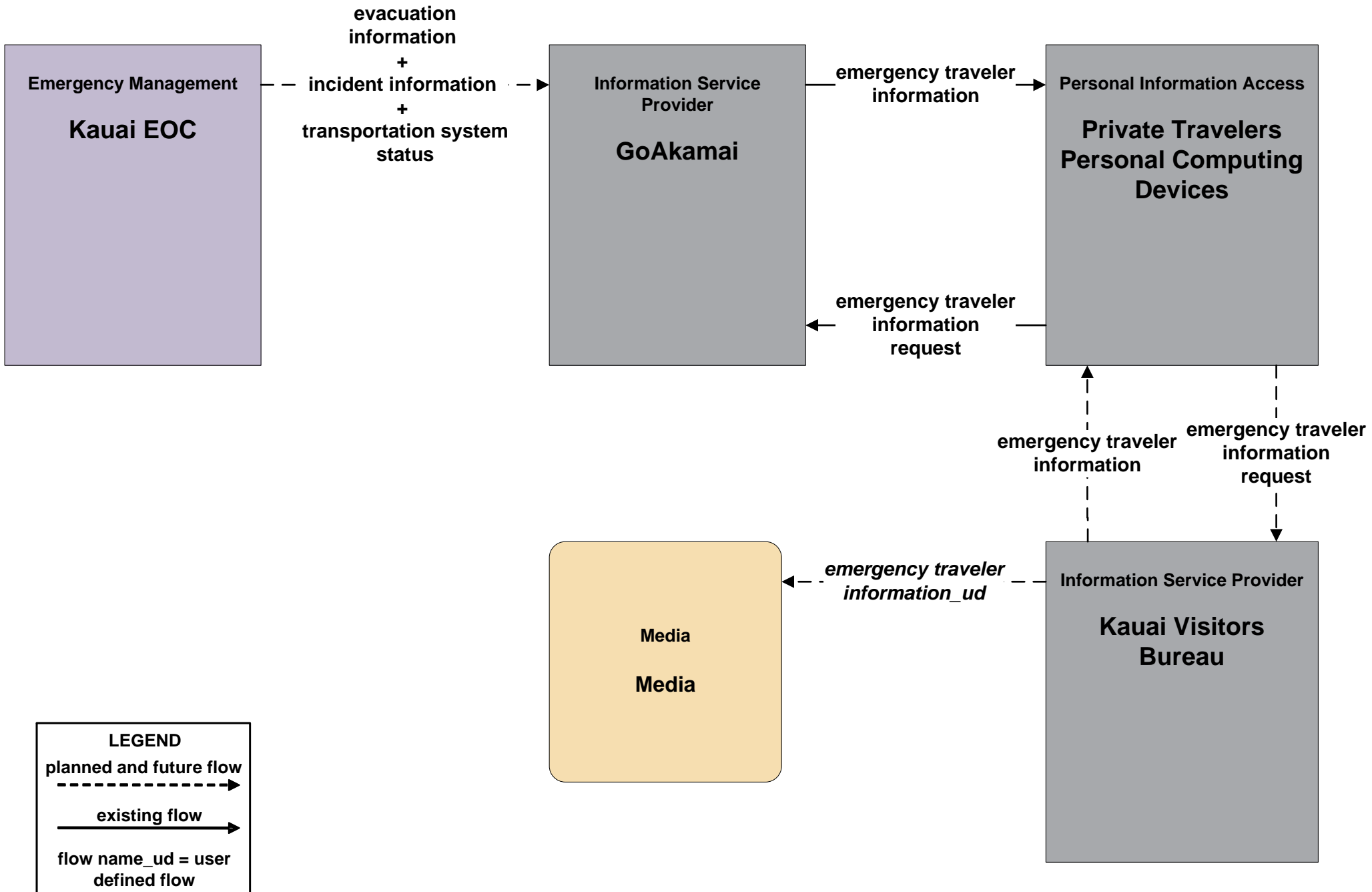
EM09 - Evacuation and Reentry Management Kauai Emergency Operations Center (1 of 2)



EM09 - Evacuation and Reentry Management Kauai Emergency Operations Center (2 of 2)

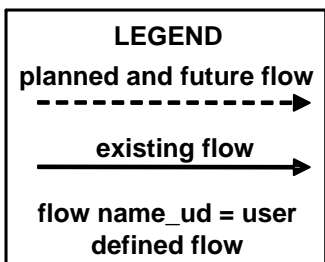
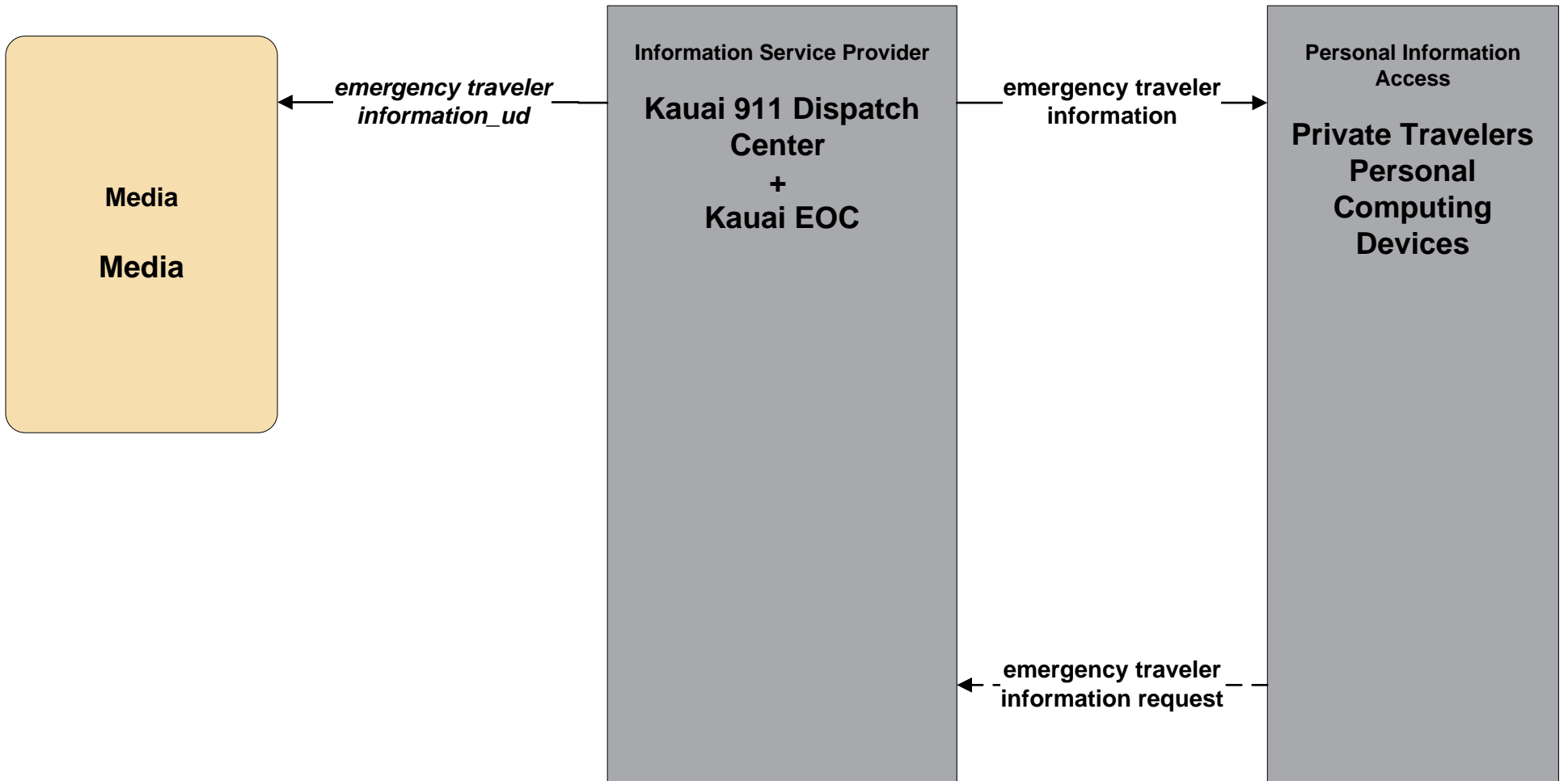


EM10 - Disaster Traveler Information Kauai Emergency Operations Center (1 of 2)



LEGEND
 planned and future flow
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 existing flow
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 flow name_ud = user defined flow

**EM10 - Disaster Traveler Information
Kauai Mass Public Notification System (2 of 2)**

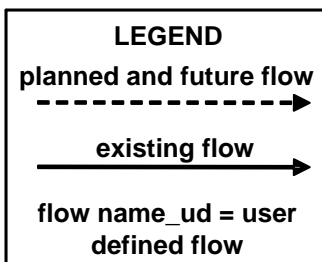
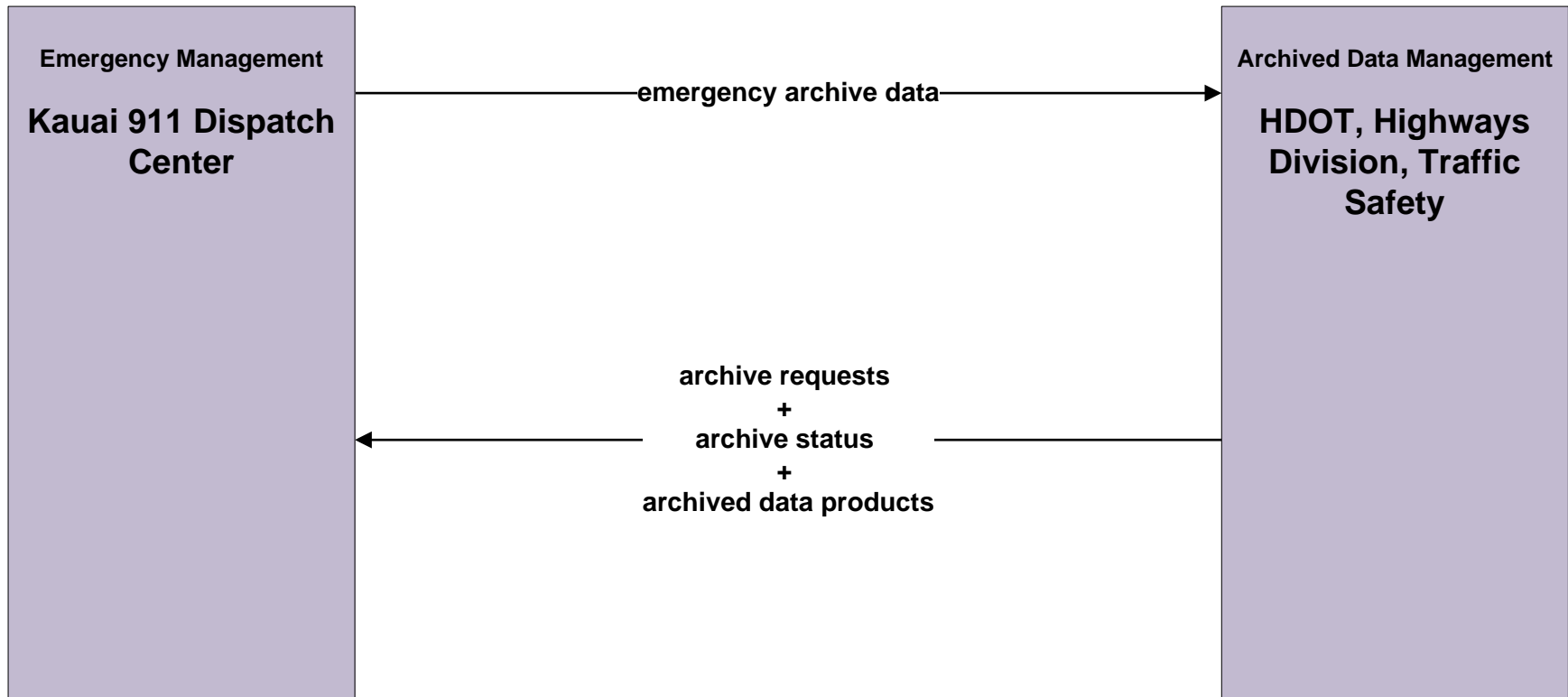


Kauai Regional ITS Architecture

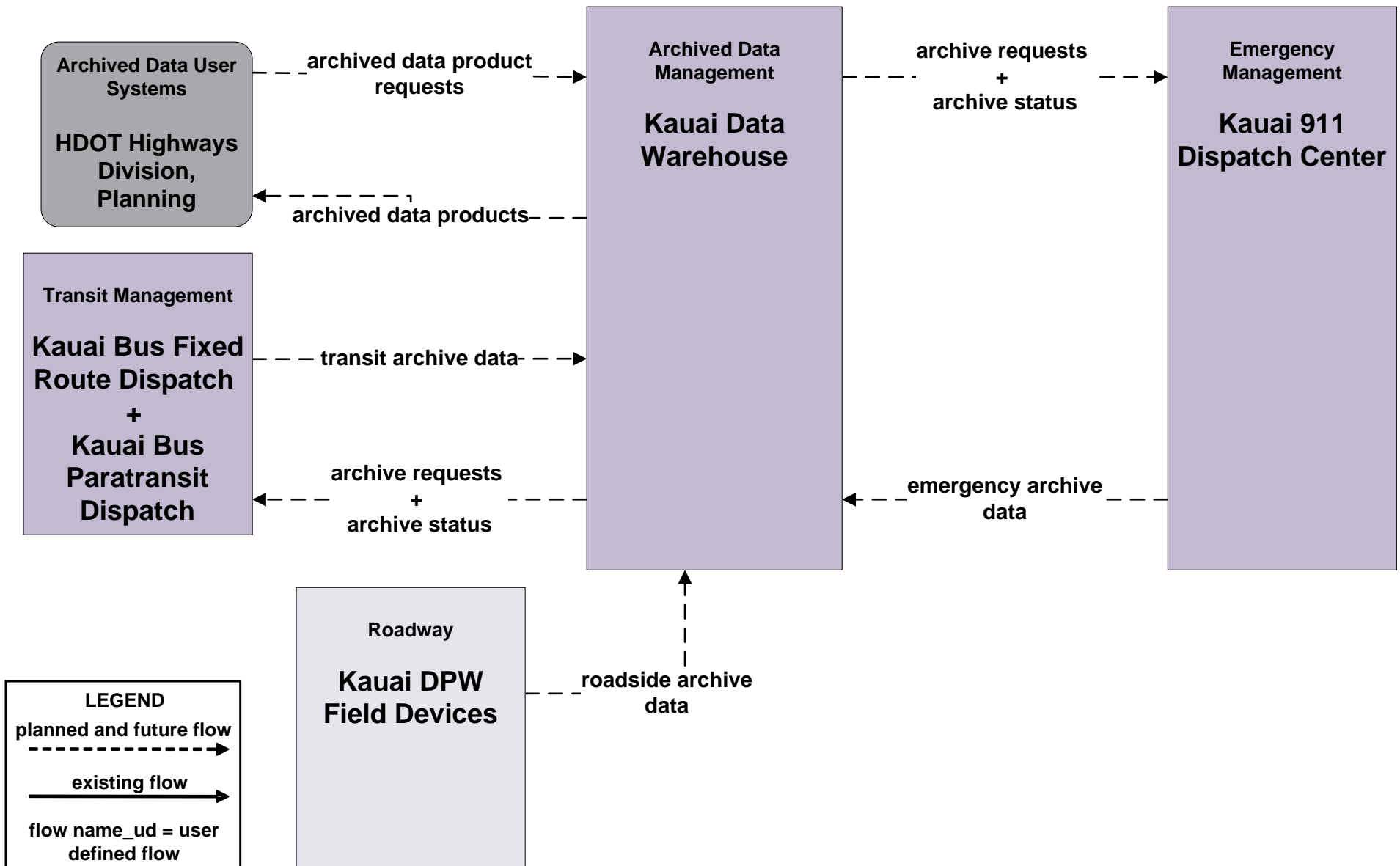
Customized Service Package Diagrams

Archived Data (AD)

**AD2 - ITS Data Warehouse
Kauai Motor Vehicle Crash Data
and HDOT Highway Traffic Safety (HDOT-HWY-TS)**



AD2 - ITS Data Warehouse Kauai Data Archive

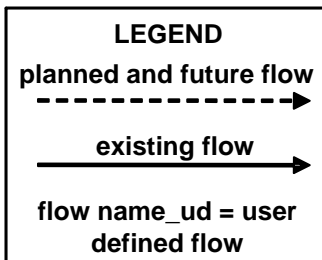
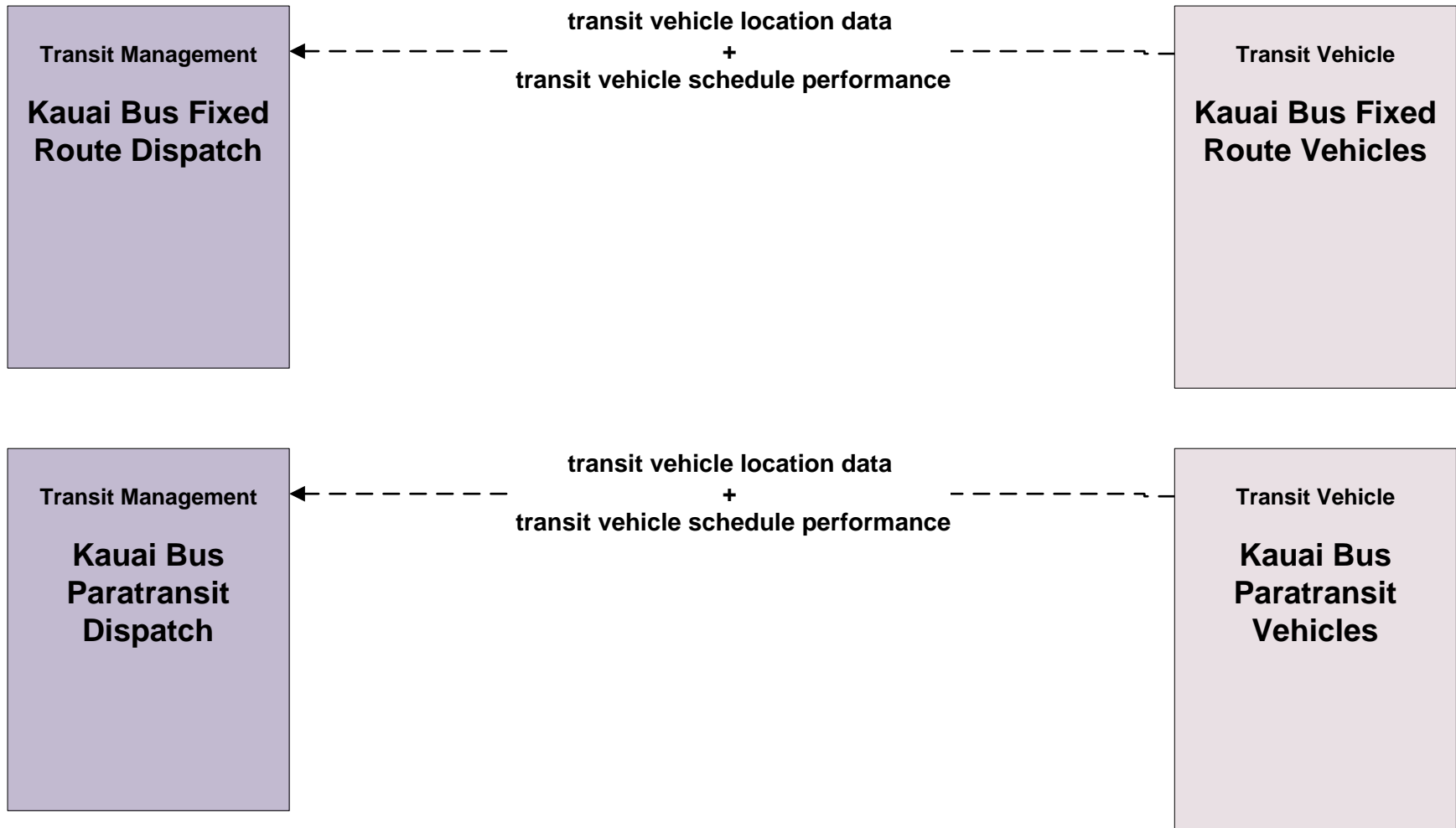


Kauai Regional ITS Architecture

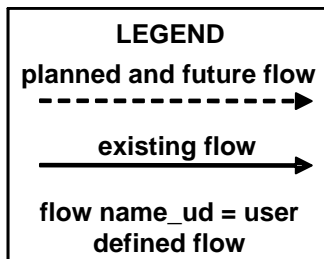
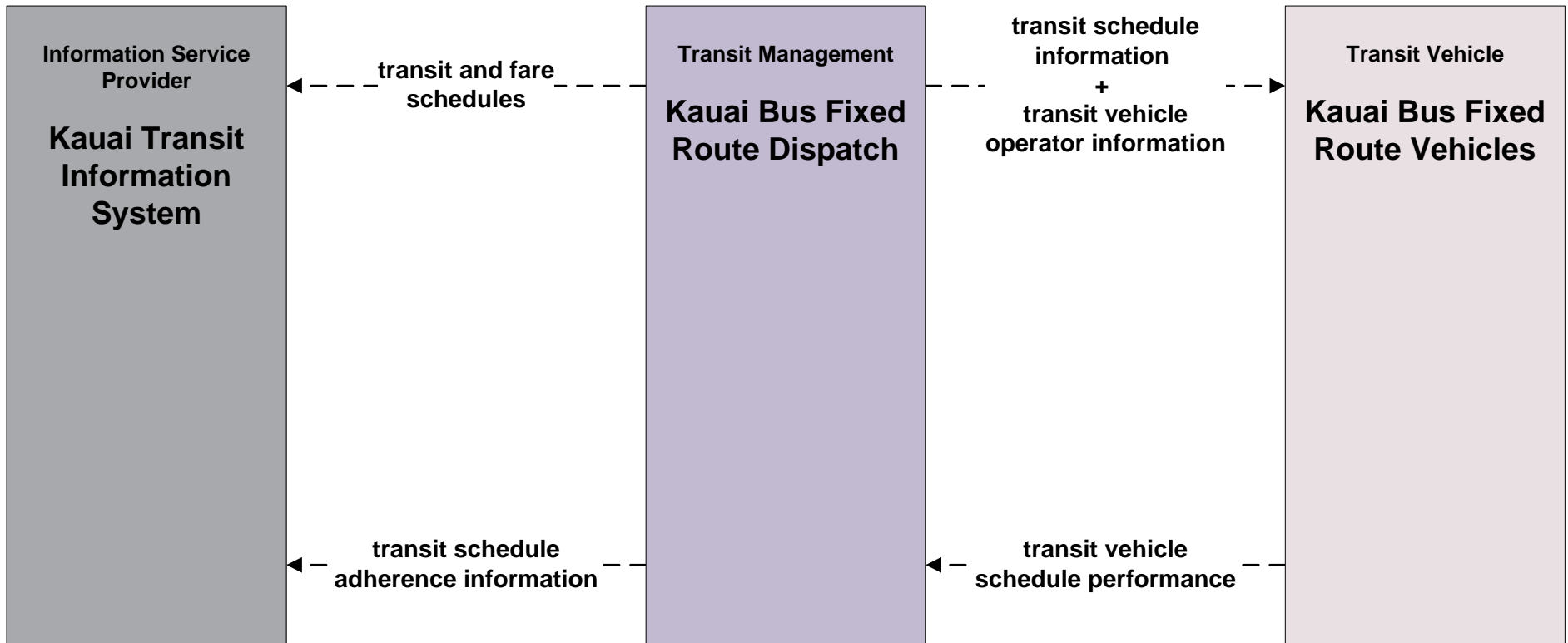
Customized Service Package Diagrams

**Advanced Public Transportation Systems
(APTS)**

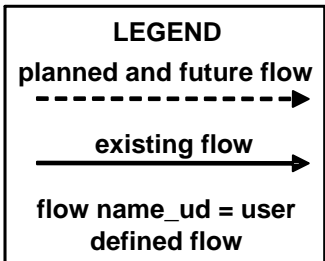
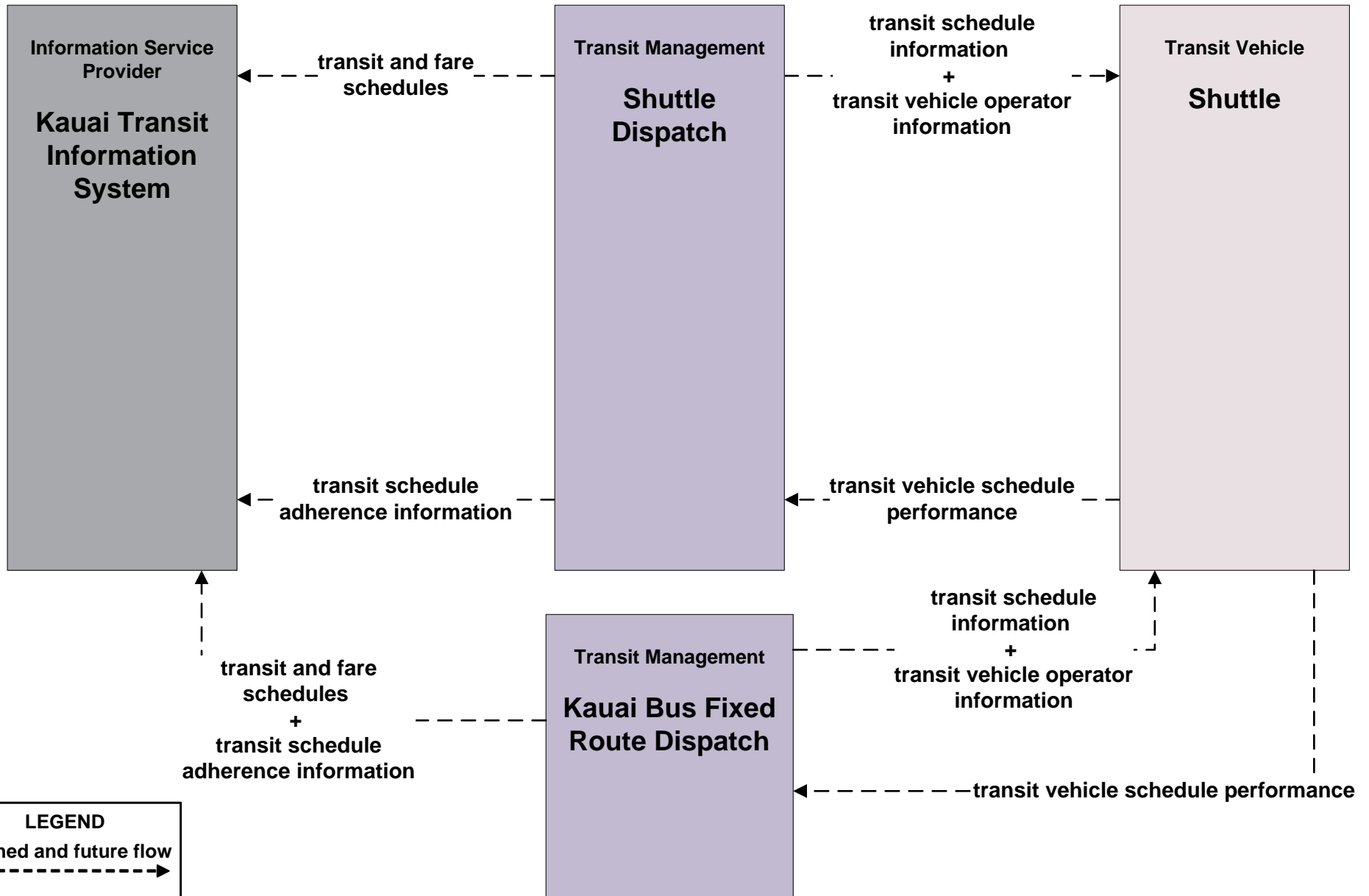
APTS01 - Transit Vehicle Tracking Kauai Bus



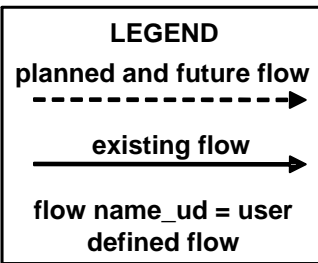
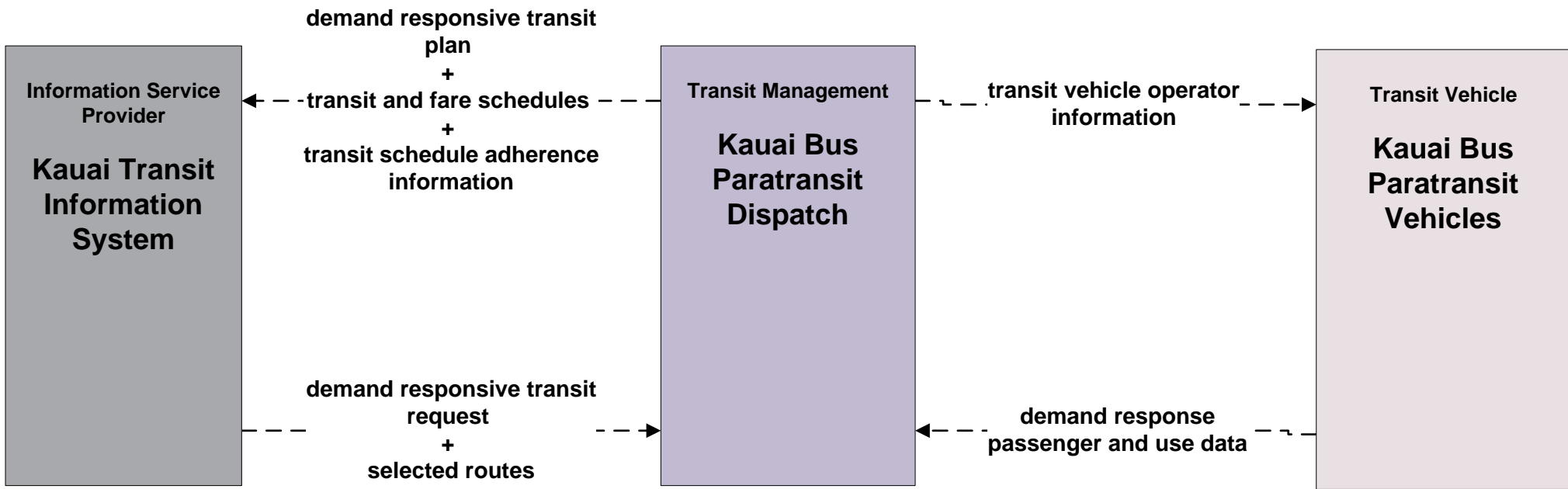
APTS02 - Transit Fixed-Route Operations Kauai Bus



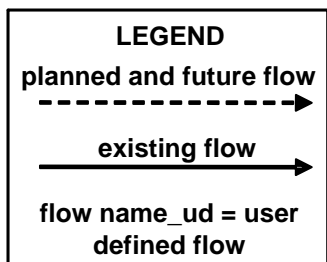
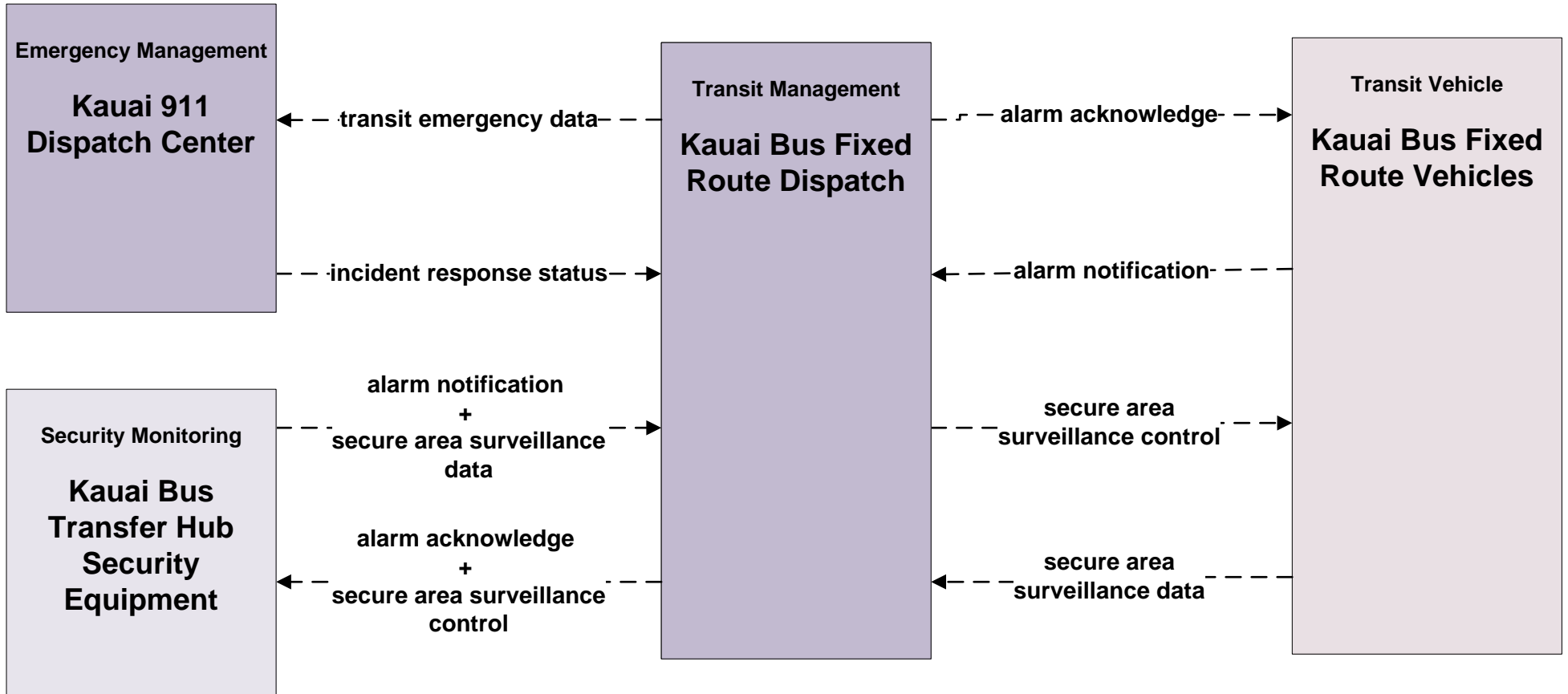
APTS02 - Transit Fixed-Route Operations Kauai Bus



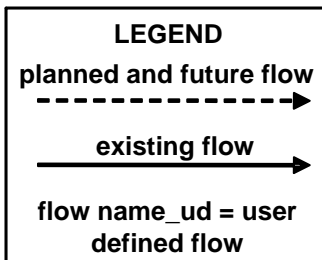
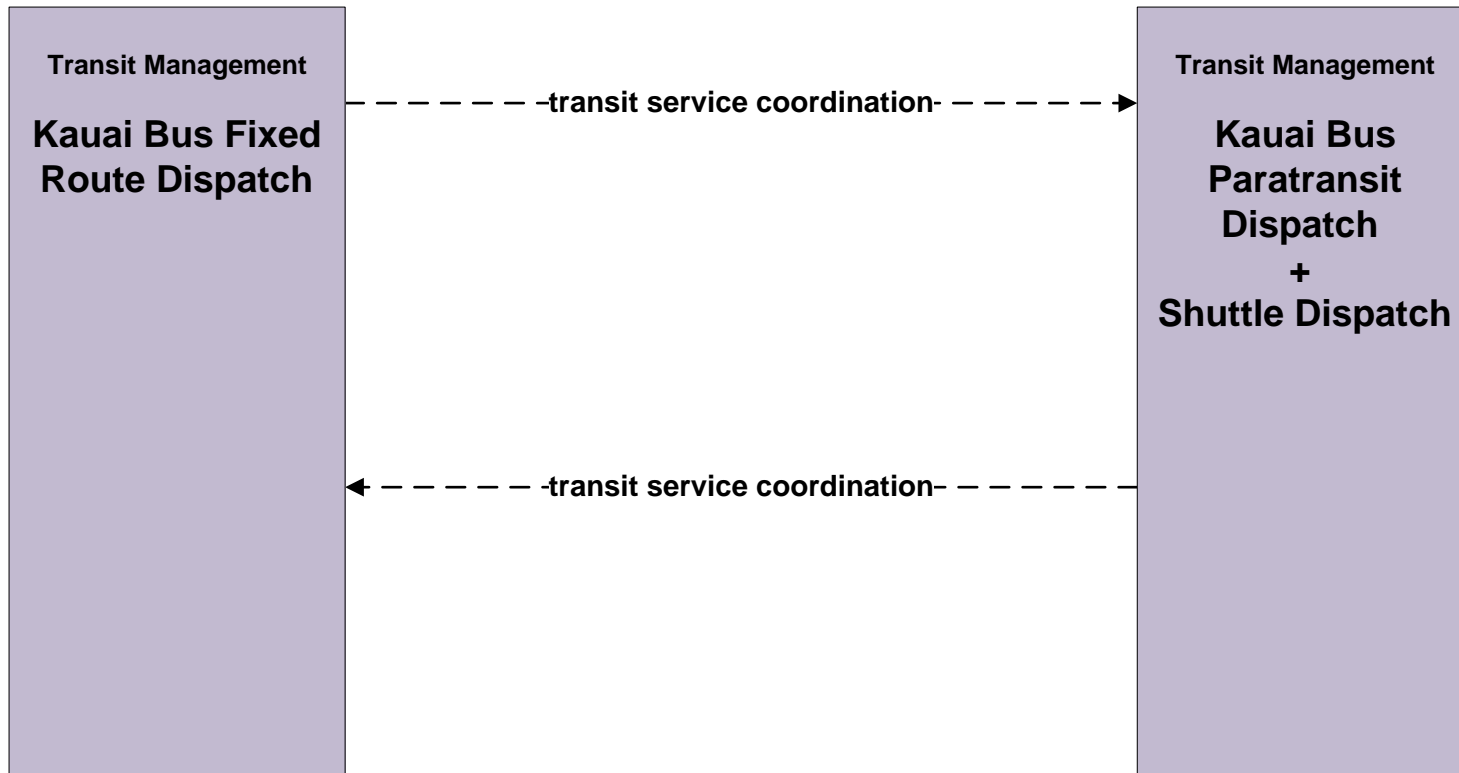
APTS03 - Demand Response Transit Operations Kauai Bus



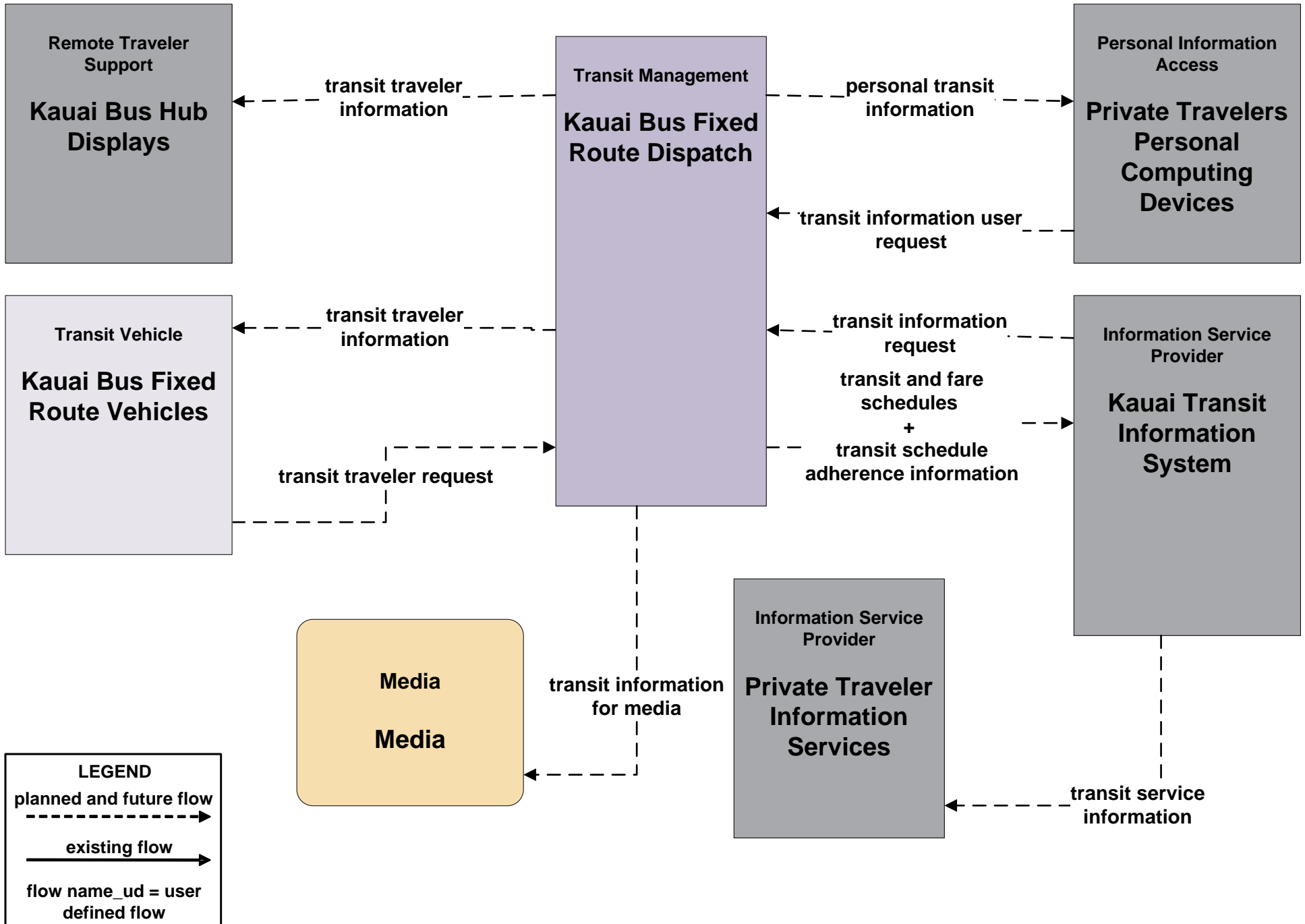
APTS05 - Transit Security Kauai Bus



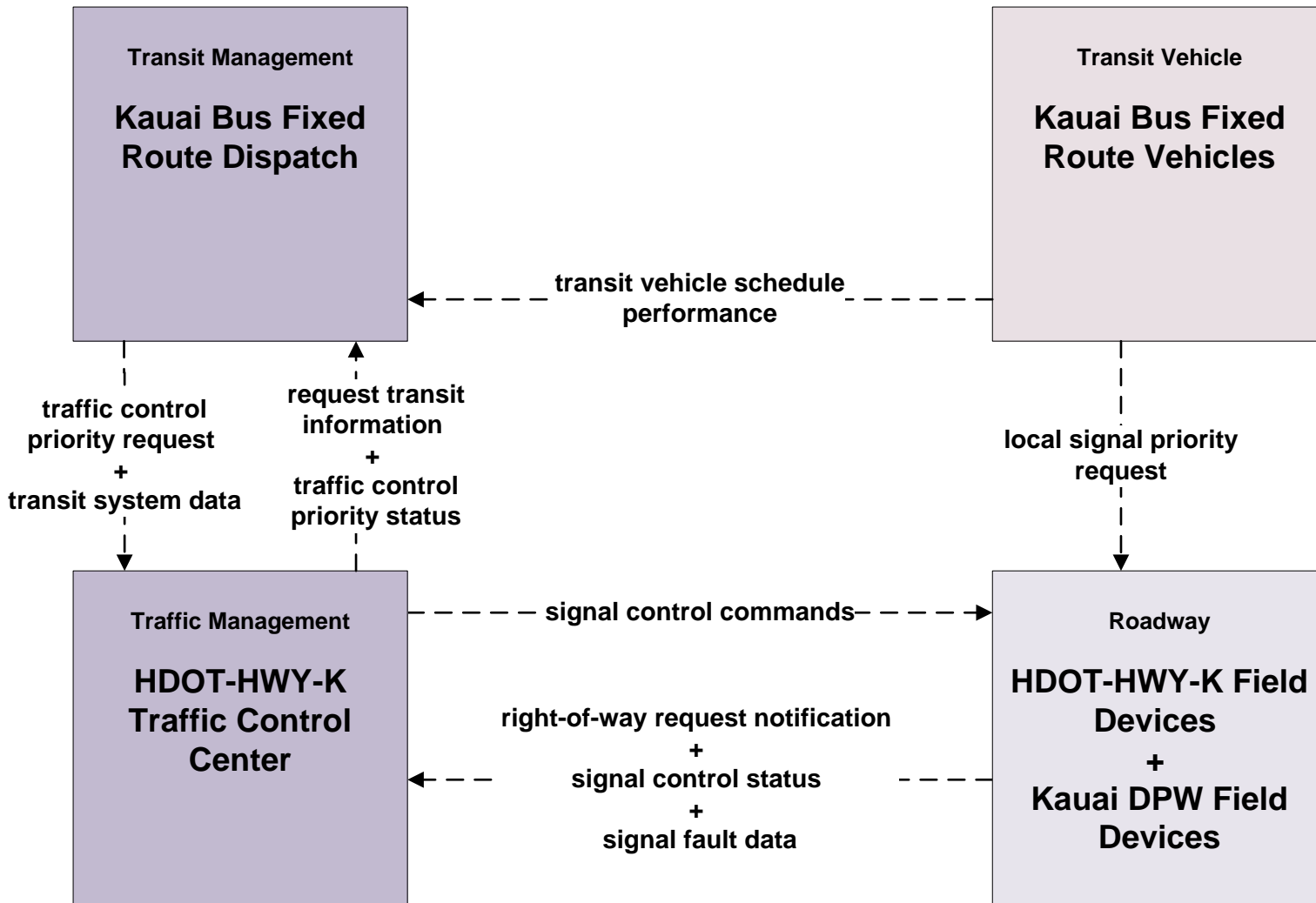
APTS07 - Multi-modal Coordination Transit Coordination



APTS08 - Transit Traveler Information Kauai Bus



APTS09 - Transit Signal Priority Kauai Bus



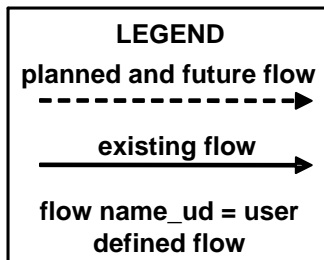
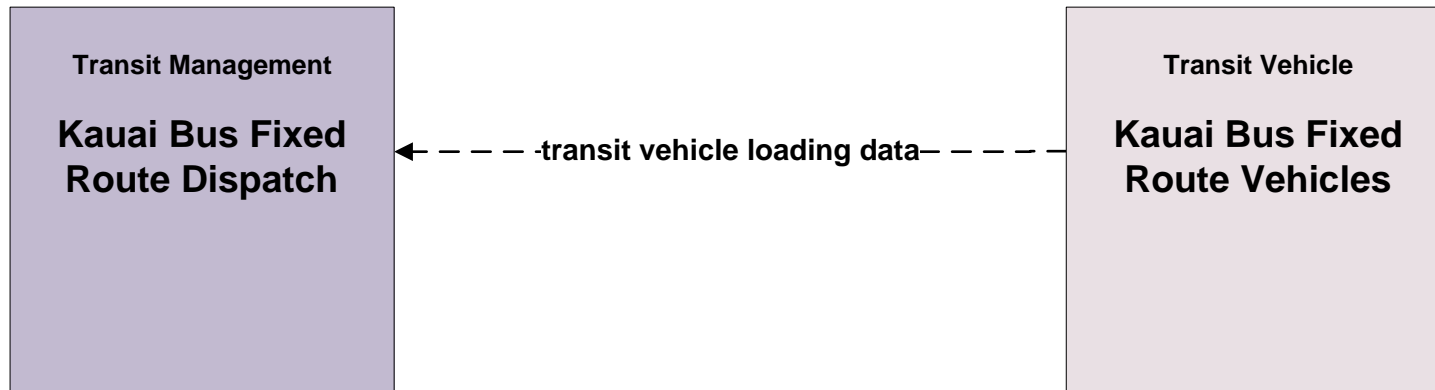
LEGEND

planned and future flow
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existing flow
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flow name_ud = user defined flow

APTS10 – Transit Passenger Counting Kauai Bus

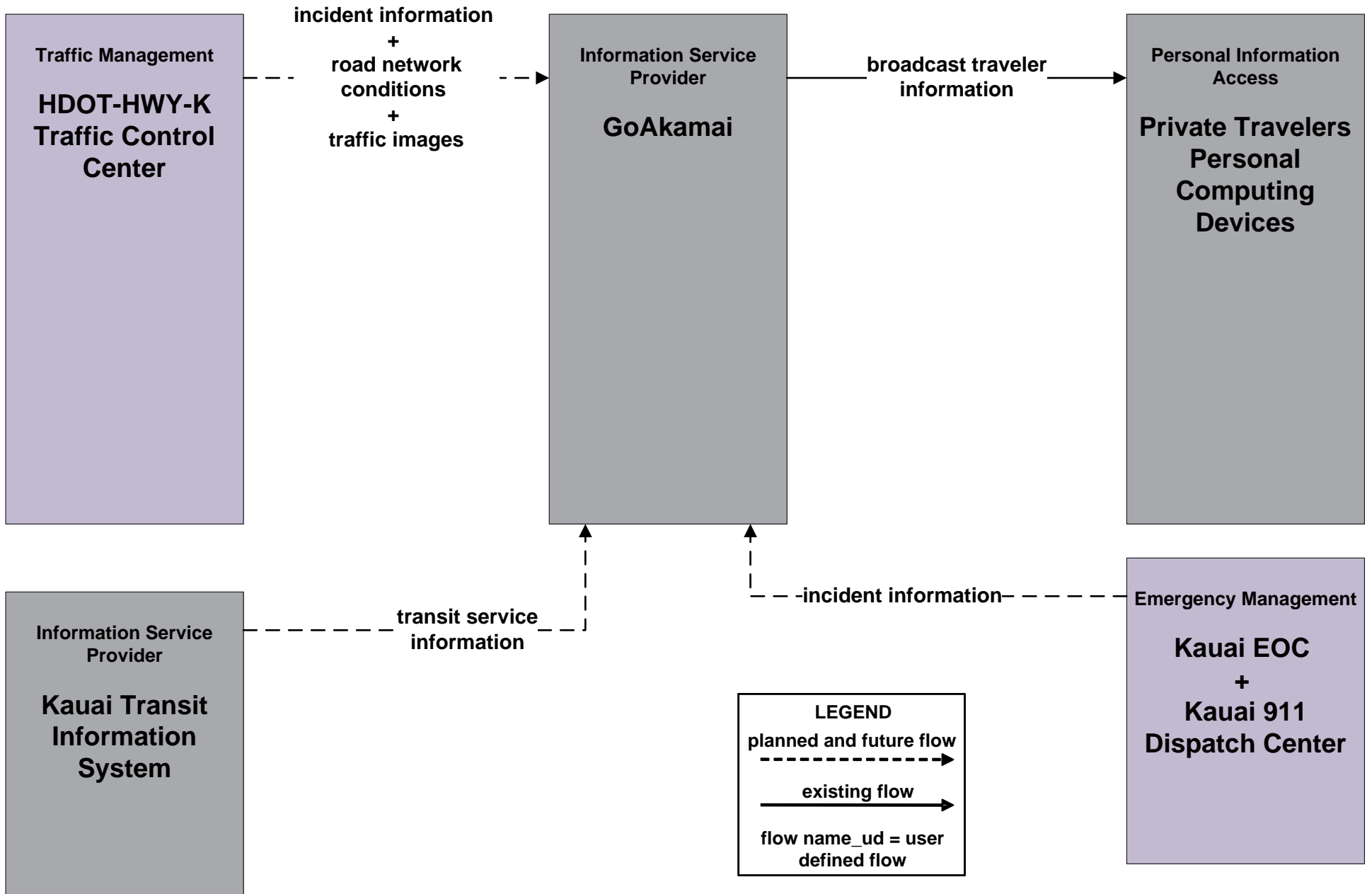


Kauai Regional ITS Architecture

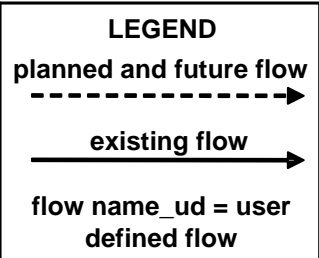
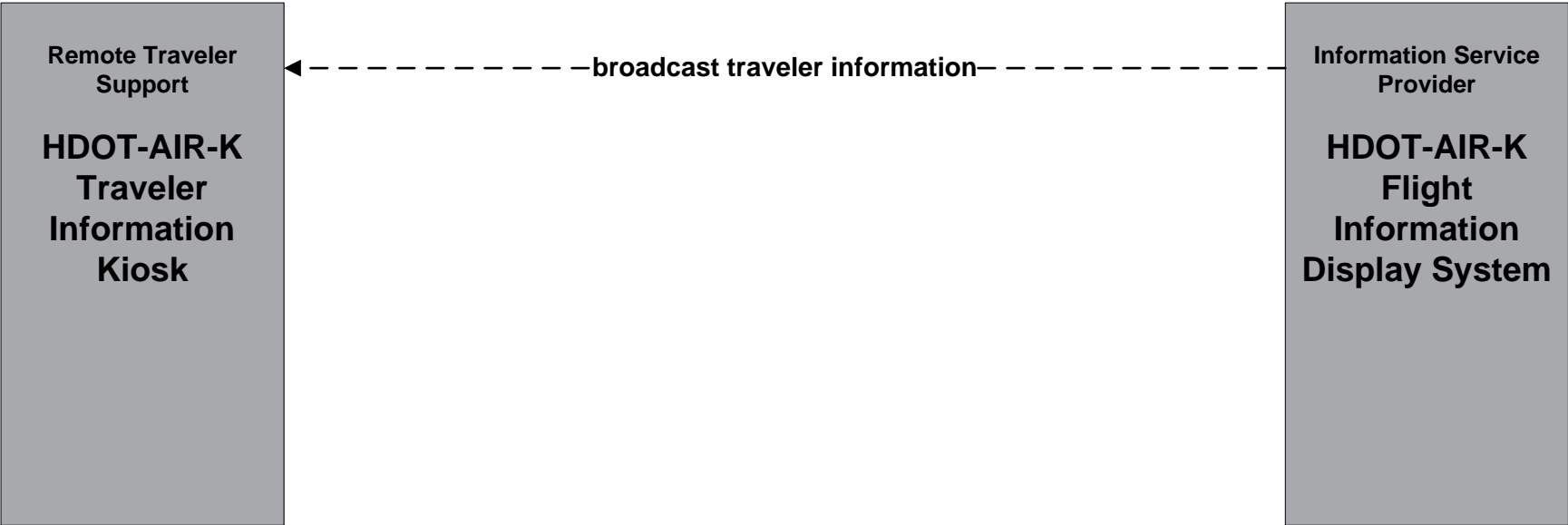
Customized Service Package Diagrams

Advanced Traveler Information Systems (ATIS)

ATIS01 - Broadcast Traveler Information HDOT GoAkamai



**ATIS01 - Broadcast Traveler Information
HDOT Airports, Kauai District (HDOT-AIR-K)**



ATIS02 - Interactive Traveler Information HDOT GoAkamai

