

APPENDIX C

MAUI CUSTOMIZED SERVICE PACKAGE DIAGRAMS



Maui Regional ITS Architecture

Customized Service Package Diagrams

based on

National ITS Architecture Version 7.1

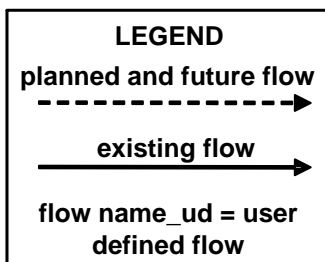
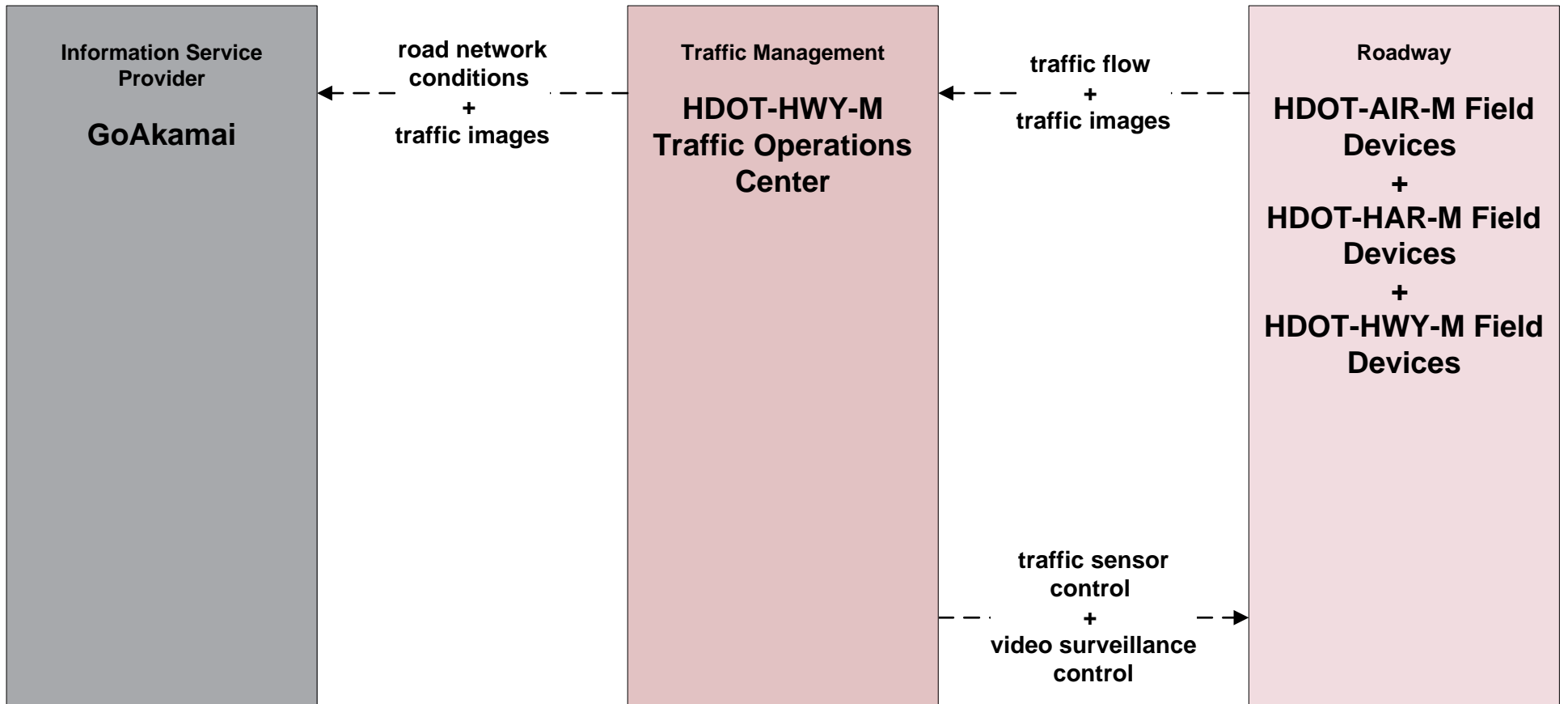
April 5th, 2017

Maui Regional ITS Architecture

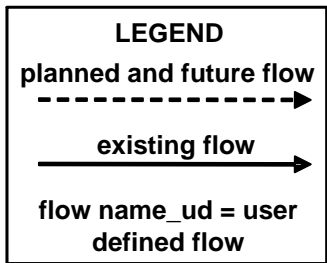
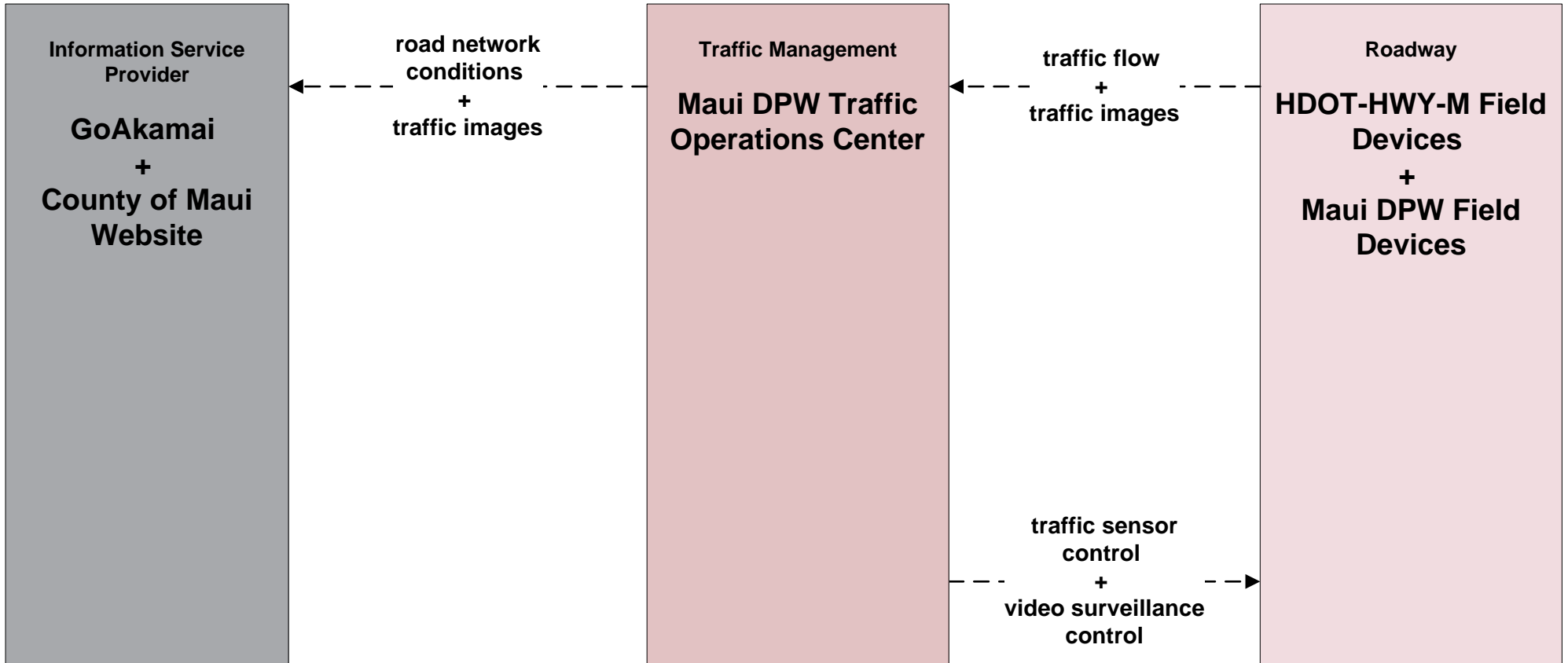
Customized Service Package Diagrams

Advanced Traffic Management Systems (ATMS)

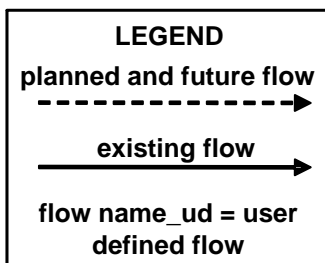
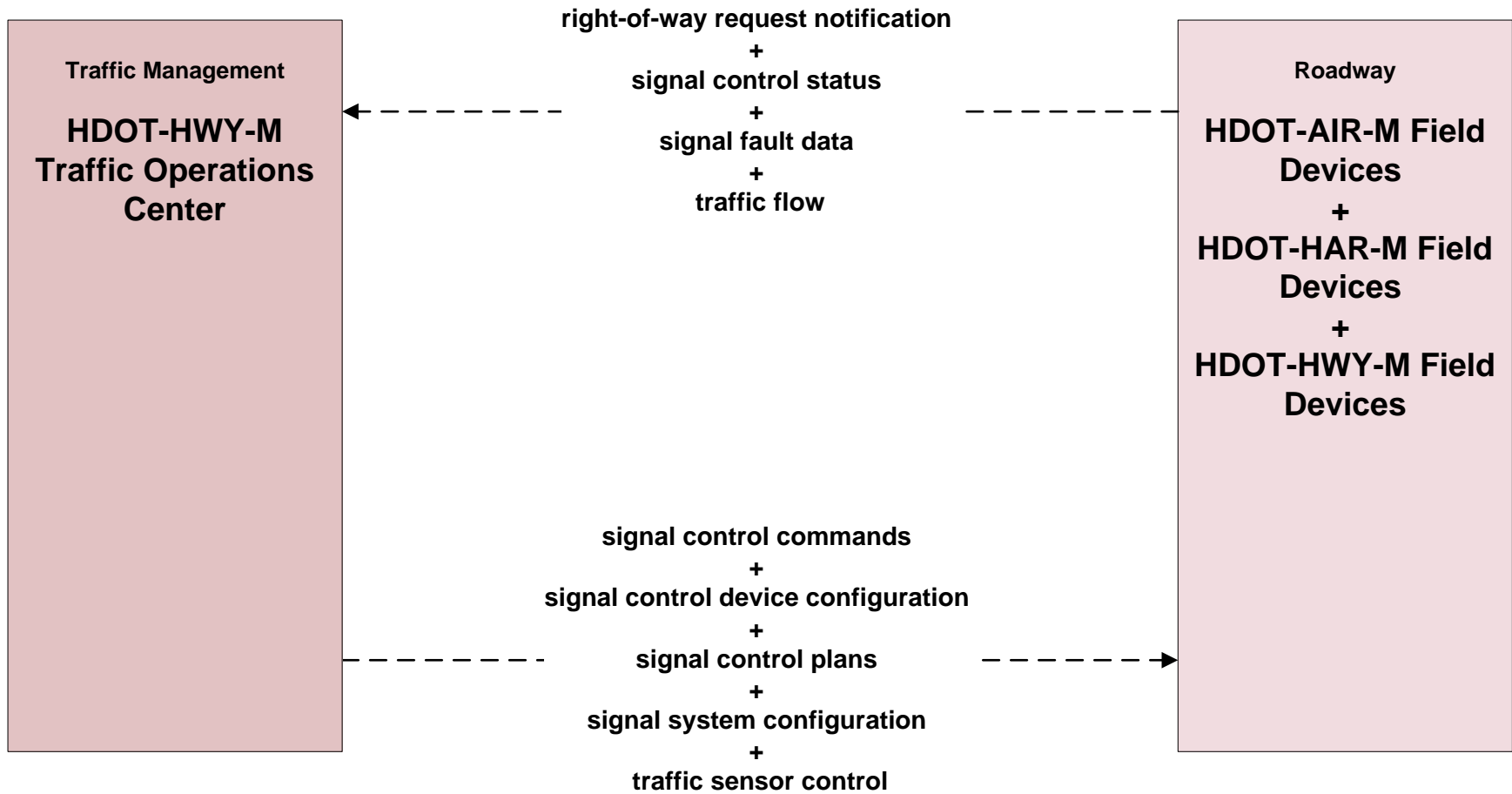
ATMS01 - Network Surveillance
HDOT Highways Maui District (HDOT - HWY - M)



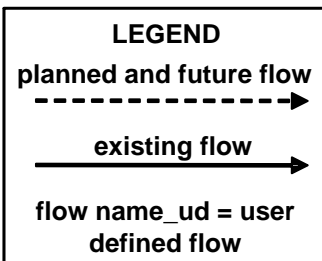
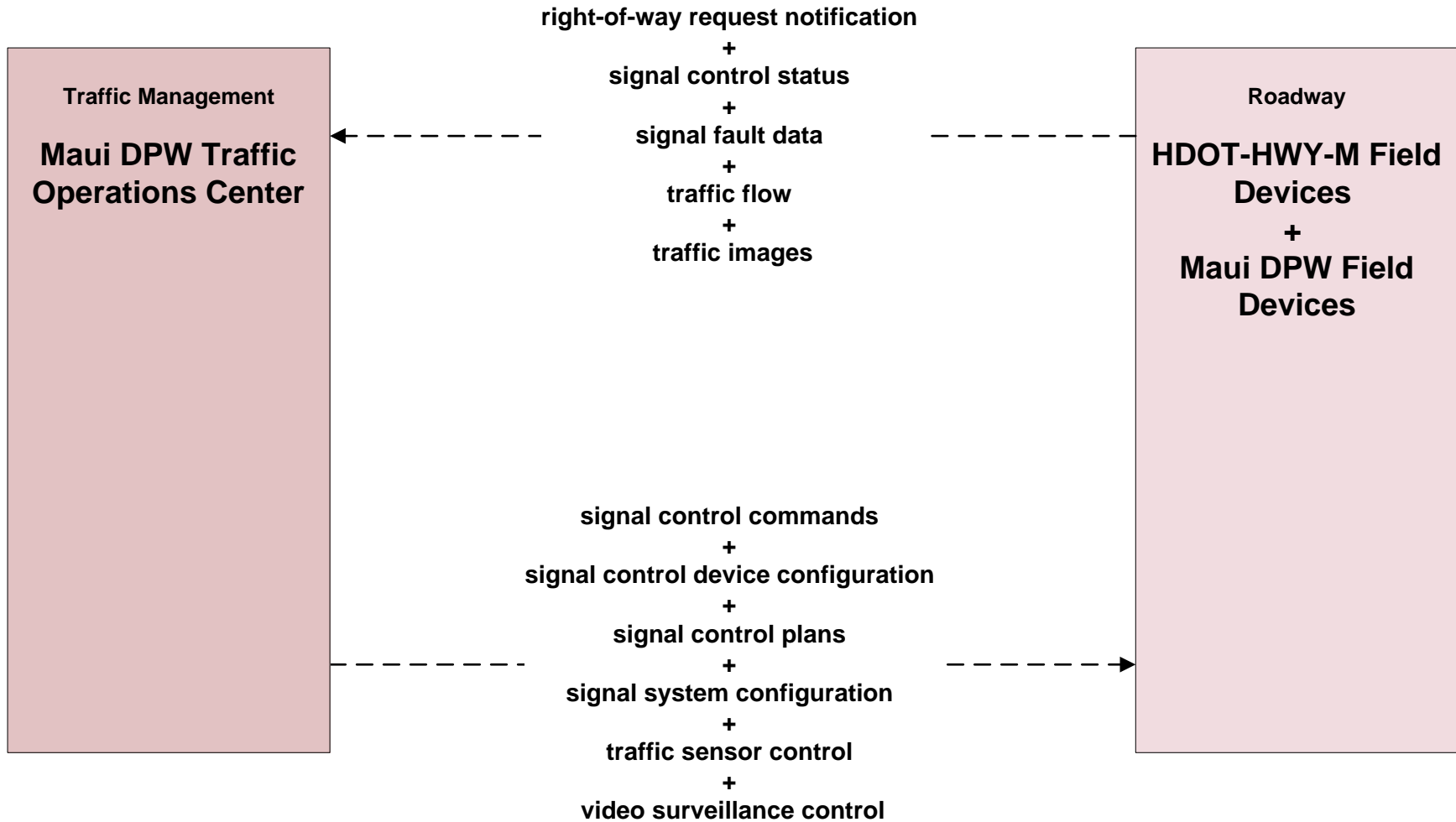
**ATMS01 - Network Surveillance
Maui Department of Public Works (DPW)**



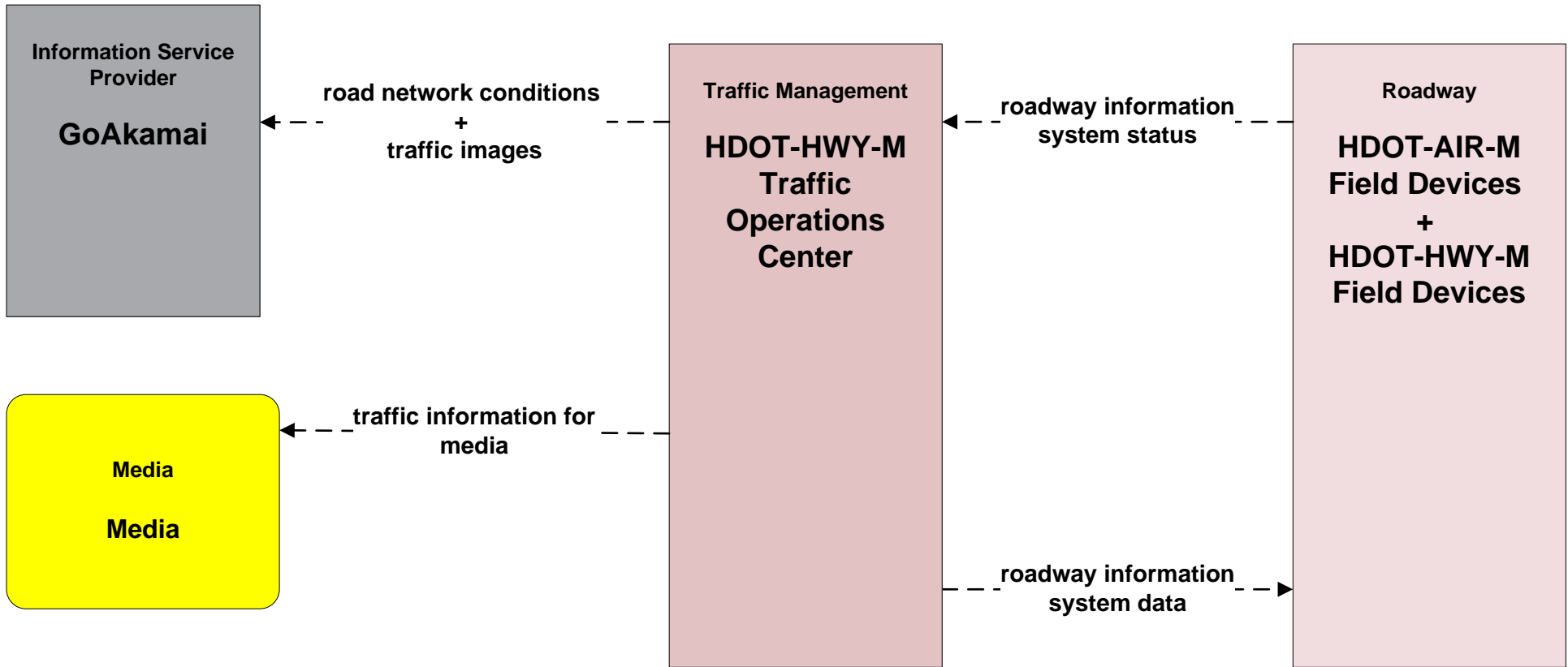
ATMS03 - Traffic Signal Control HDOT



ATMS03 - Traffic Signal Control Maui Department of Public Works (DPW)



ATMS06 - Traffic Information Dissemination HDOT Highway Maui District (HDOT-HWY-M)



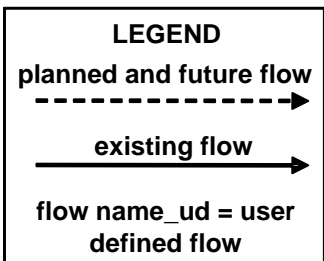
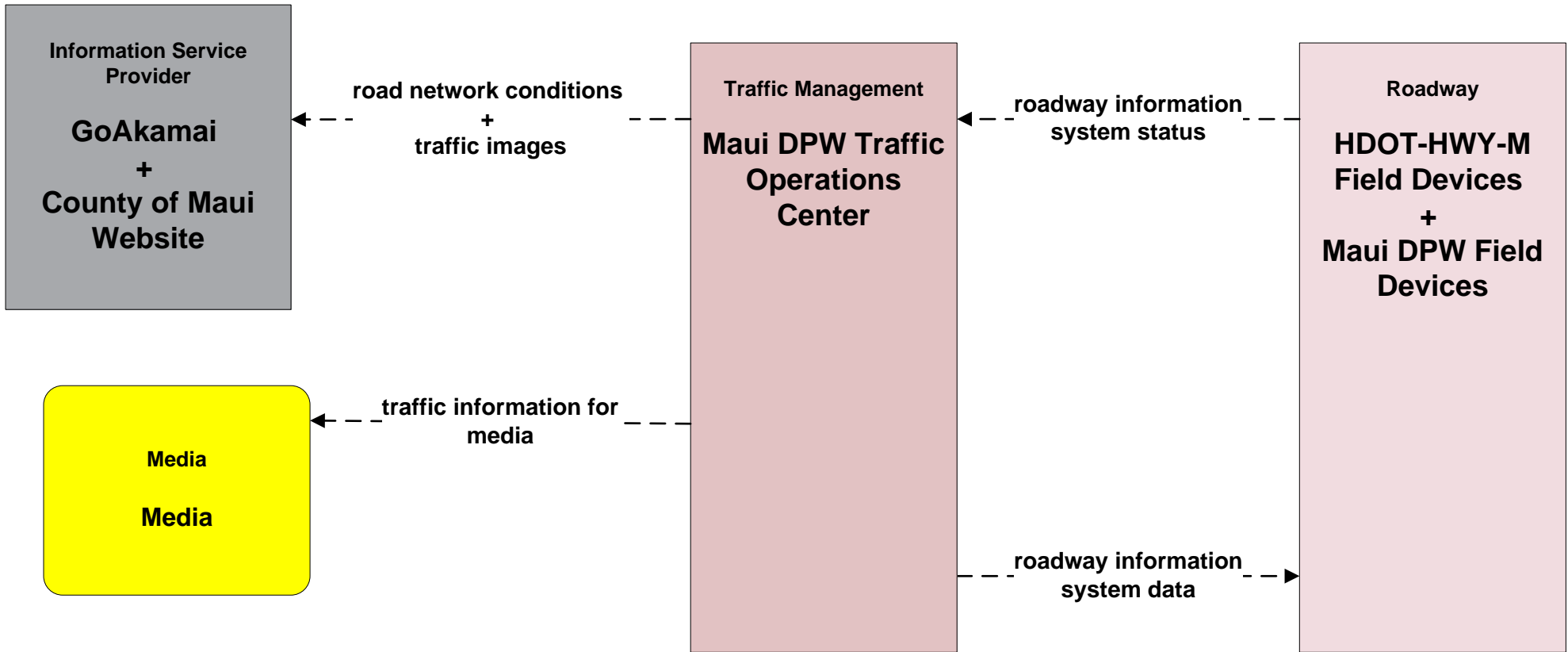
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planned and future flow
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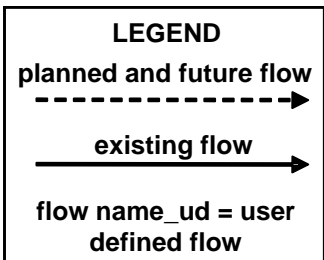
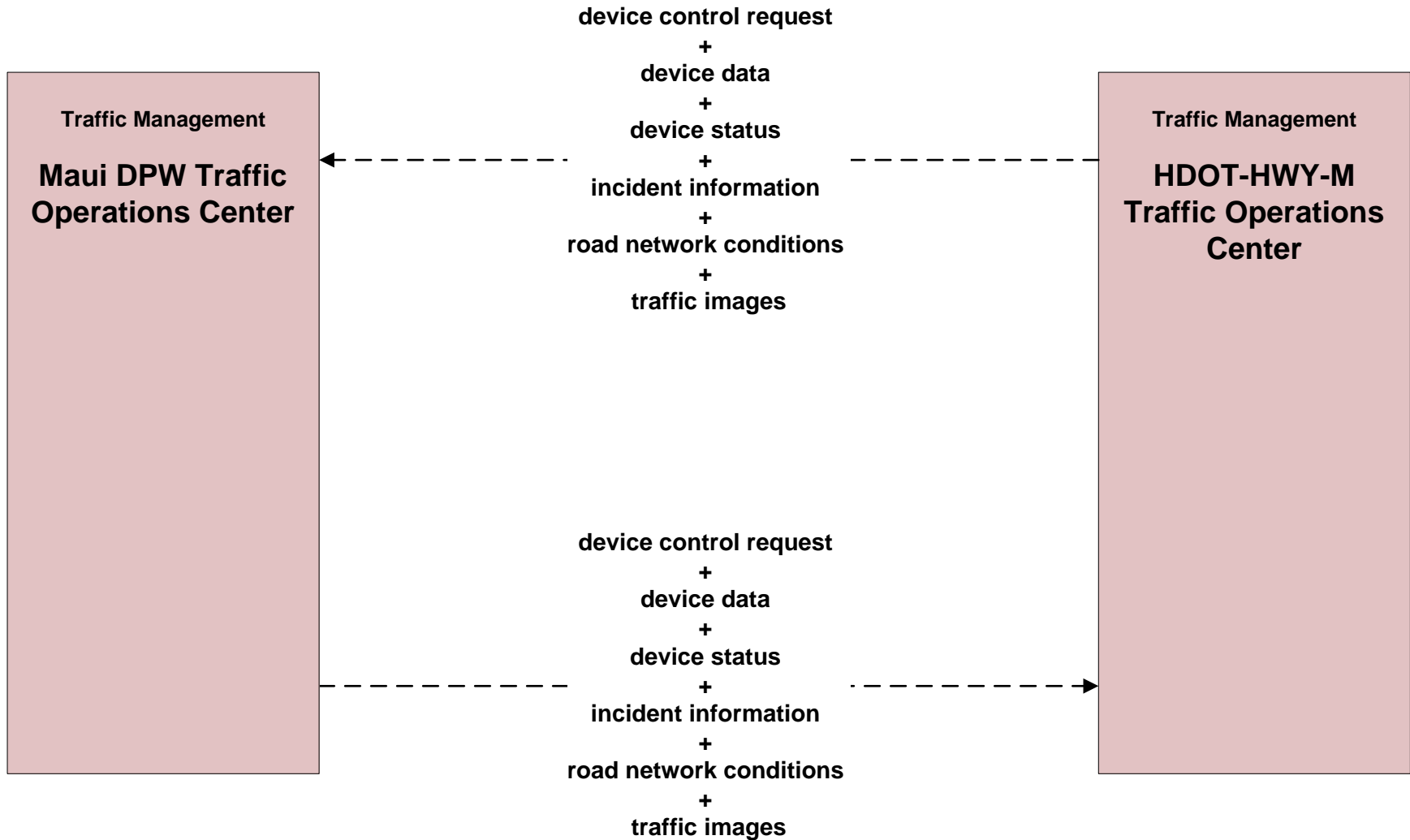
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flow name_ud = user defined flow

ATMS06 - Traffic Information Dissemination Maui Department of Public Works (DPW)

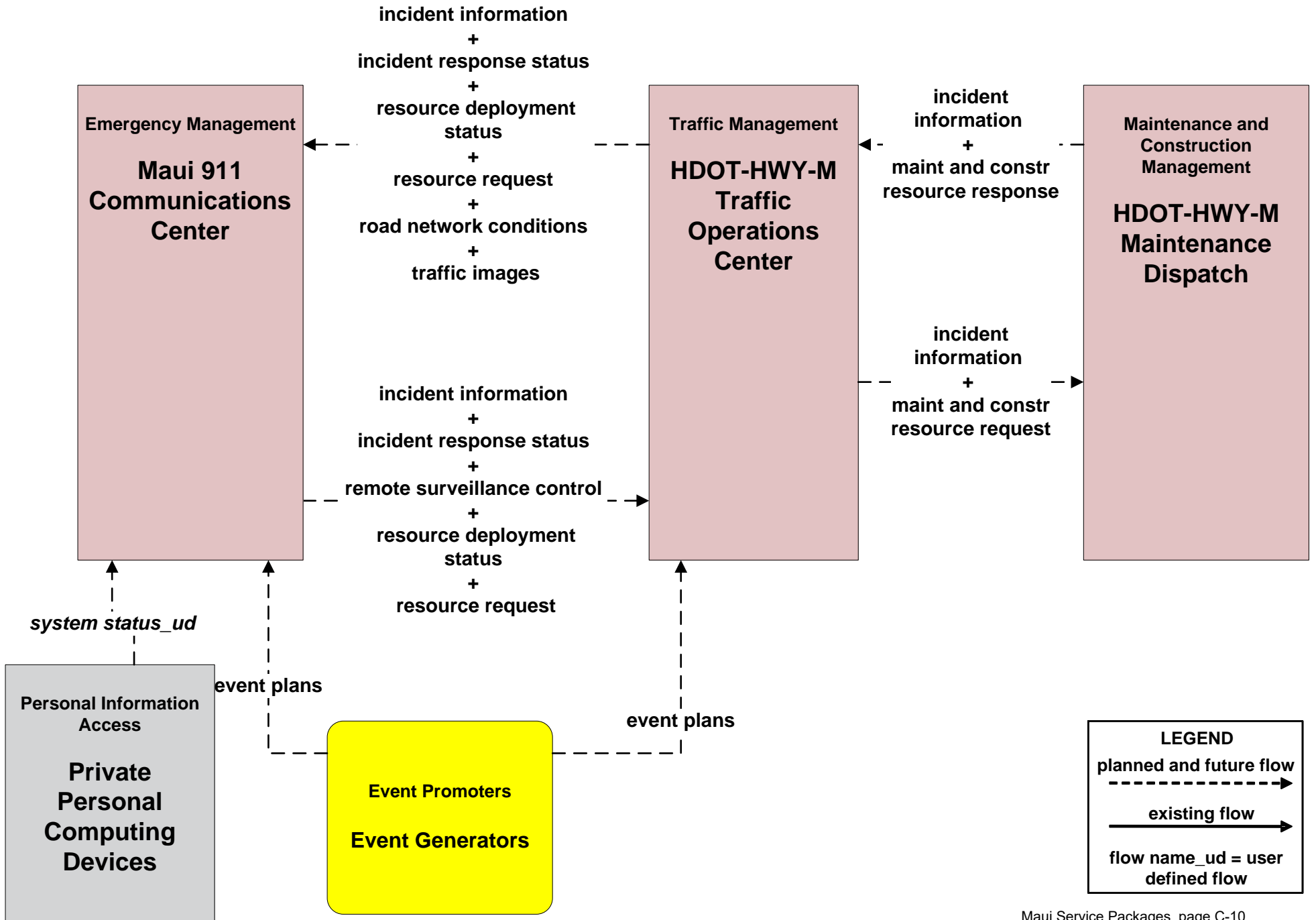


**ATMS07 - Regional Traffic Management
 HDOT Highways Maui District (HDOT-HWY-M)**

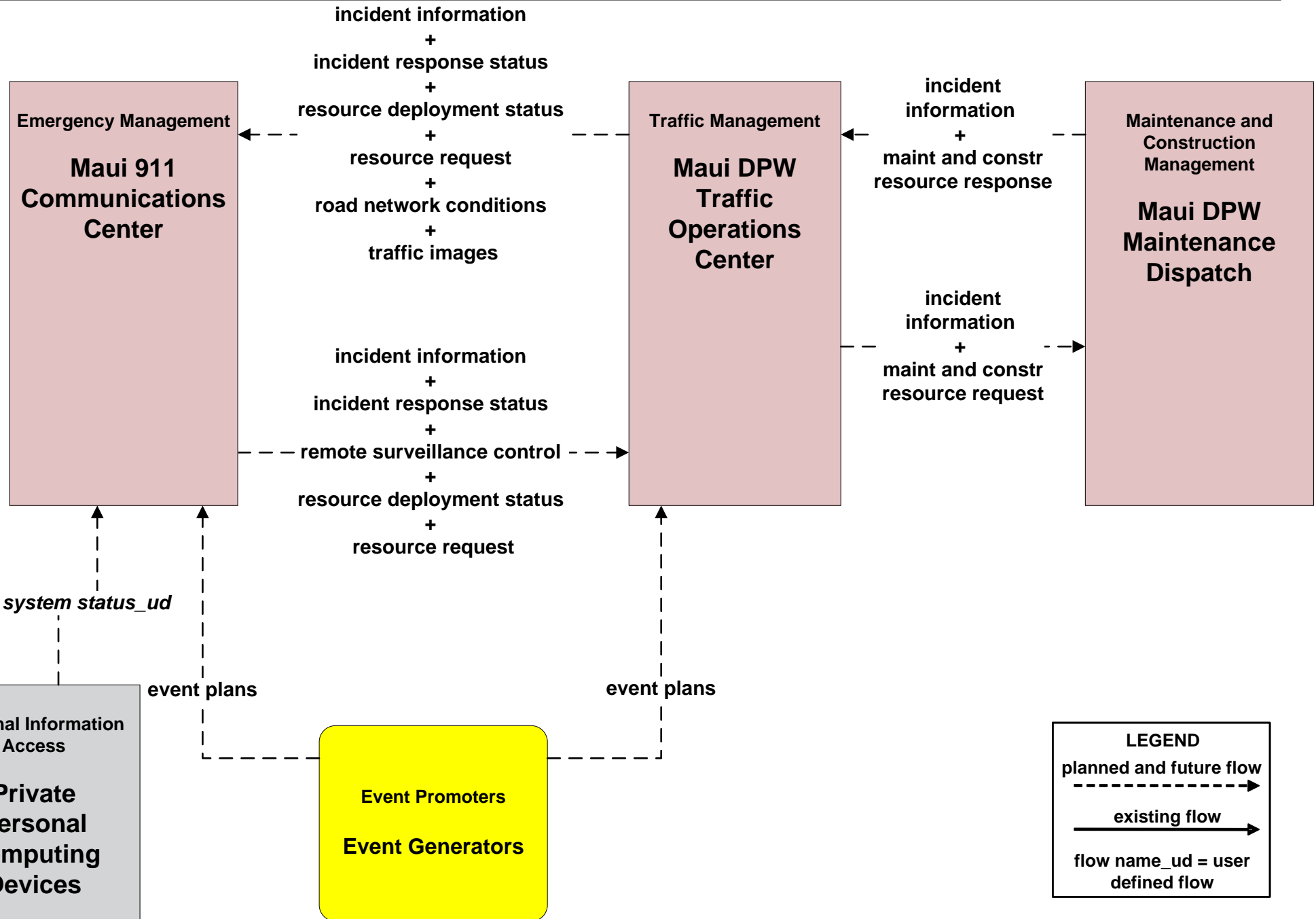


ATMS08 - Incident Management

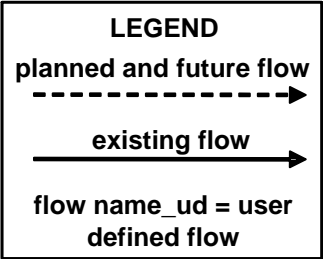
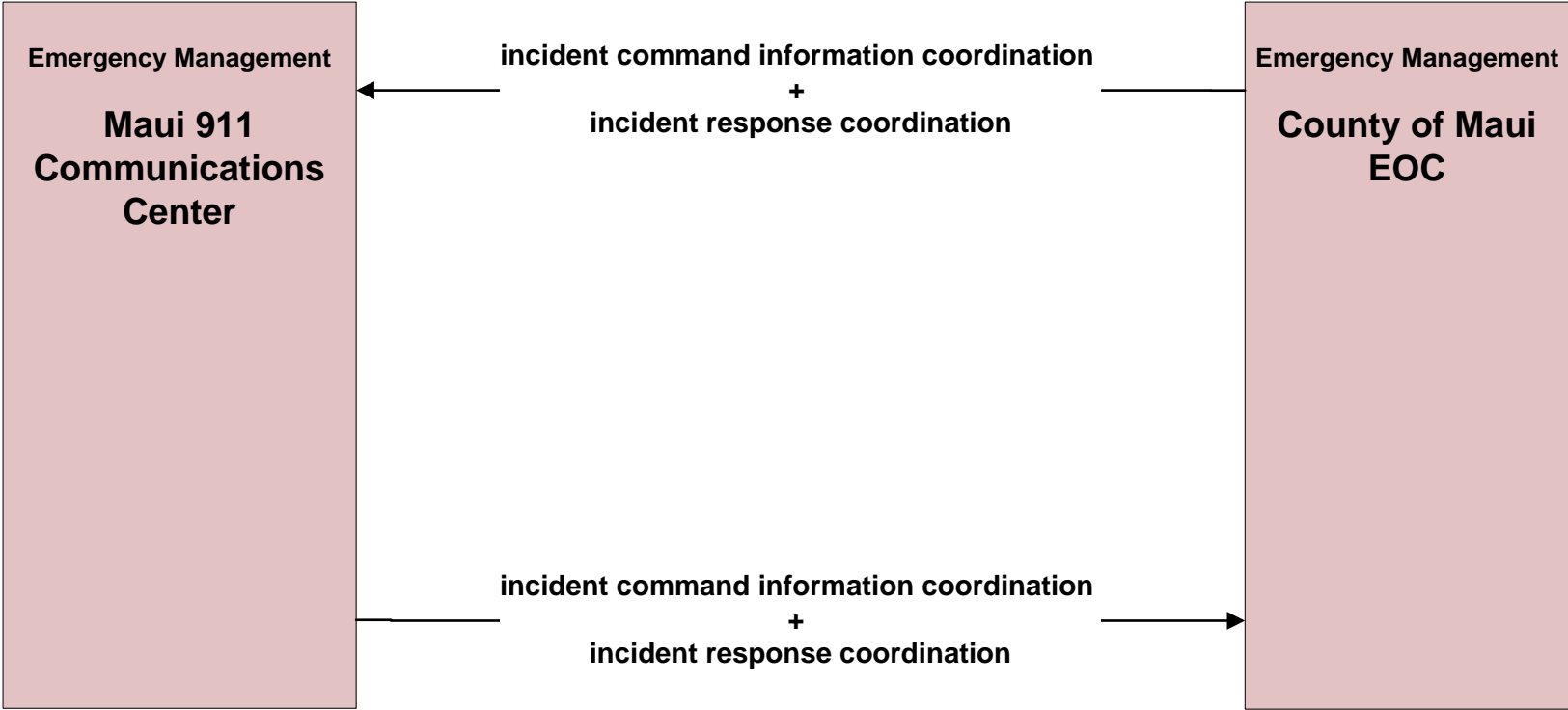
HDOT Highways Maui District (HDOT-HWY-M)



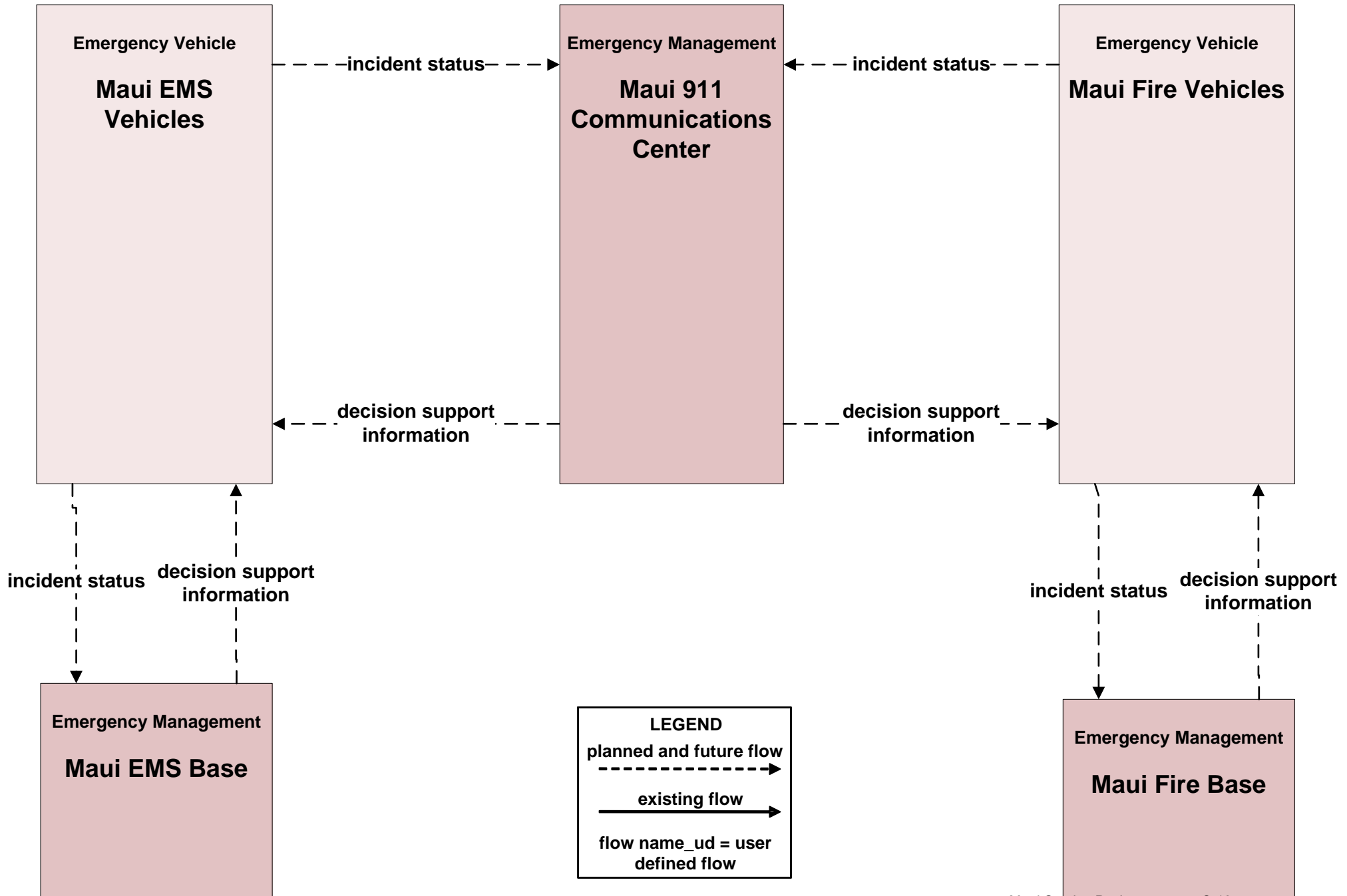
ATMS08 - Incident Management Maui Department of Public Works (DPW)



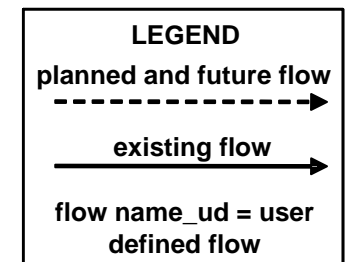
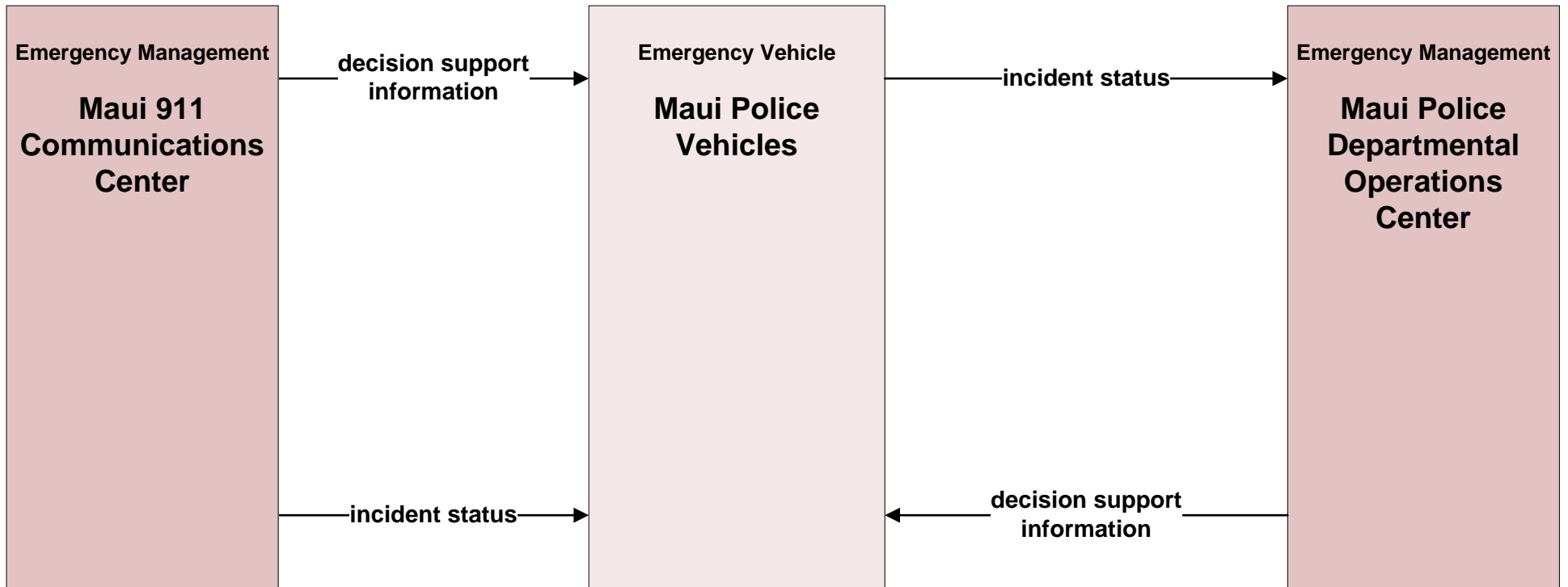
**ATMS08 - Incident Management
Maui Emergency Incident Coordination**



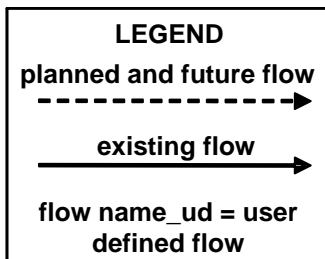
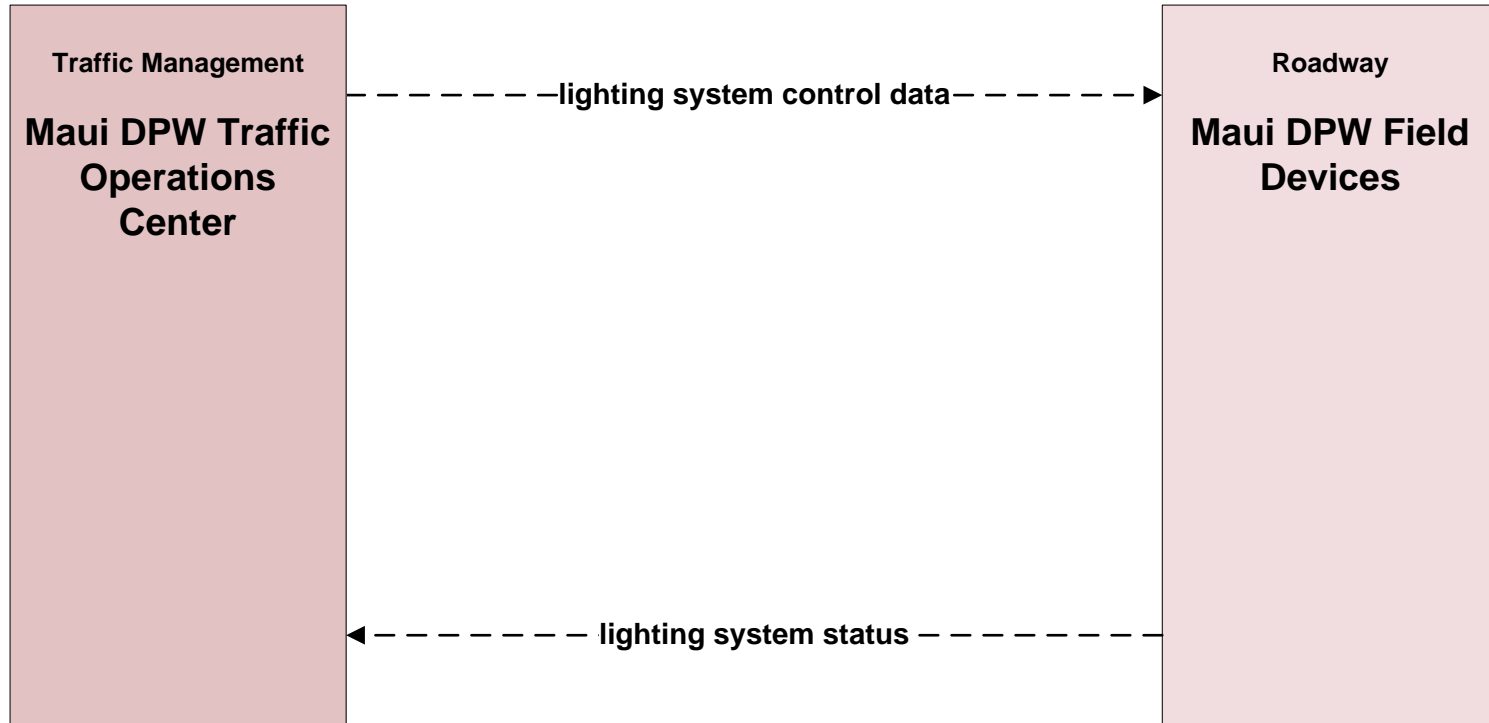
ATMS08 - Incident Management Maui Emergency Vehicles



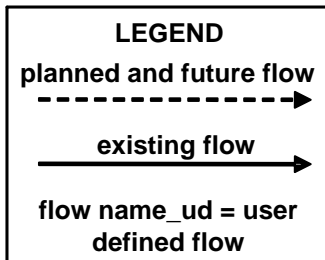
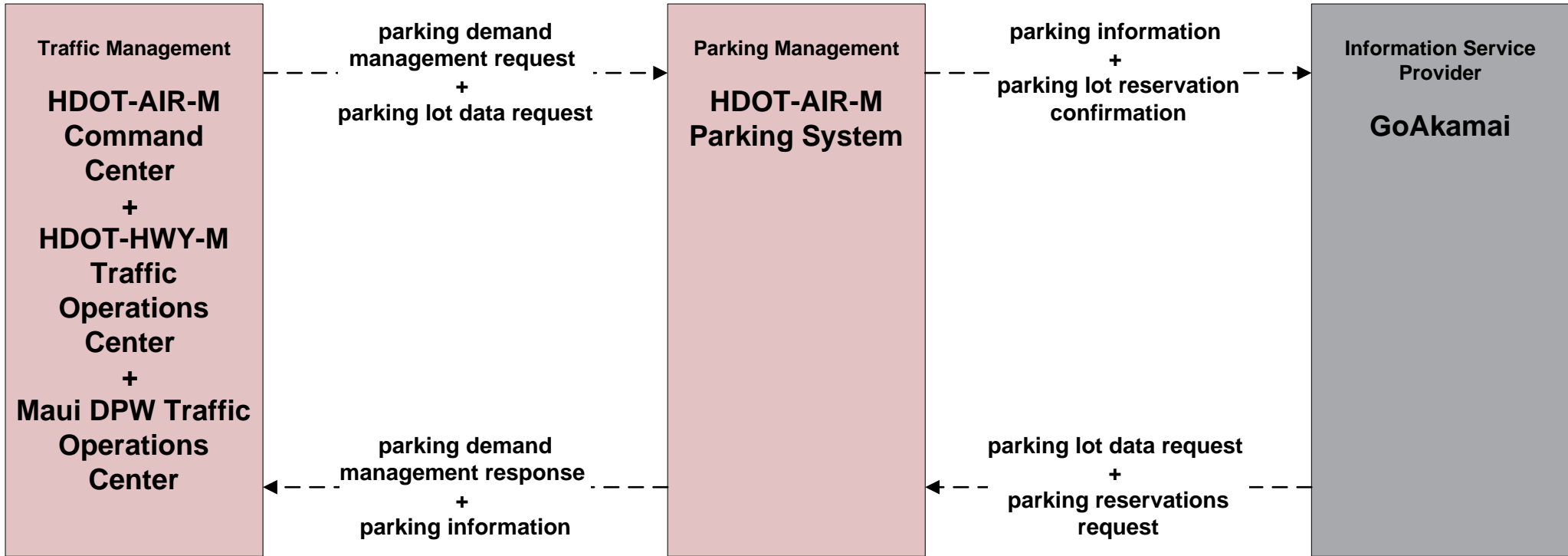
ATMS08 - Incident Management Maui Emergency Vehicles



**ATMS12 - Roadside Lighting System Control
Maui Department of Public Works (DPW)**



**ATMS17 - Parking Facility Management
 HDOT Airports Maui District (HDOT-AIR-M)**

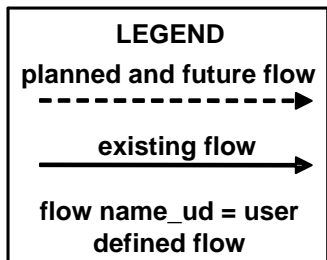
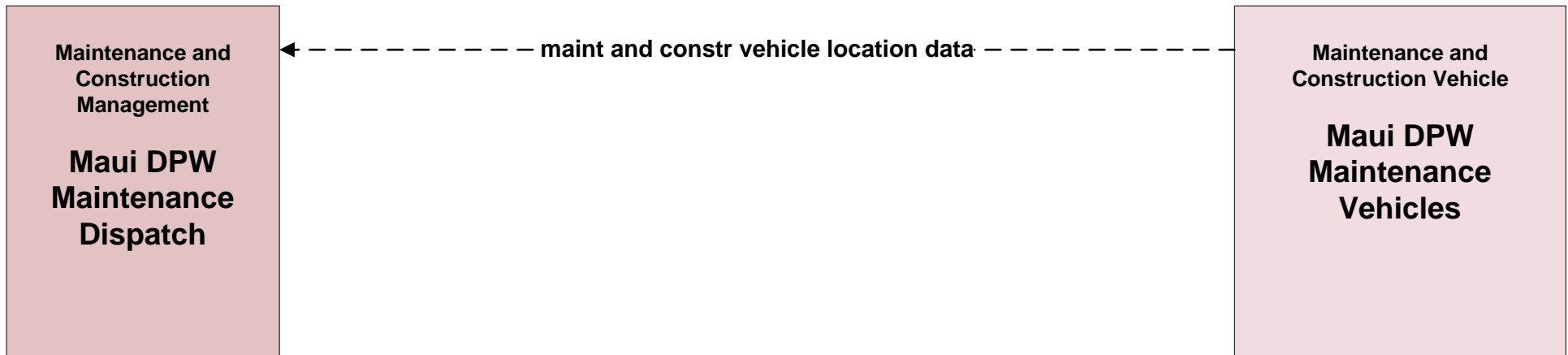
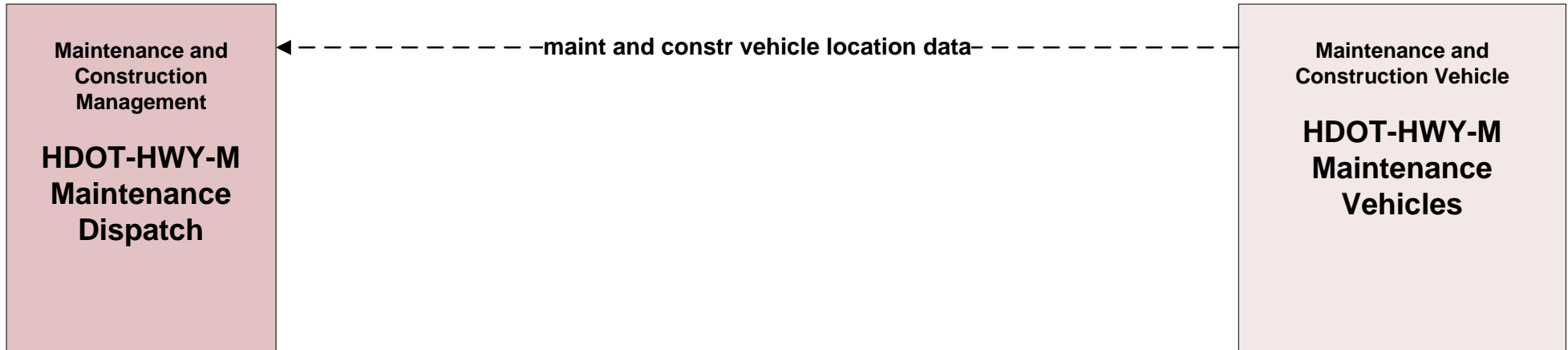


Maui Regional ITS Architecture

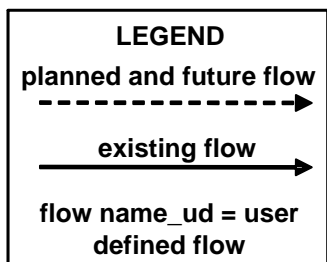
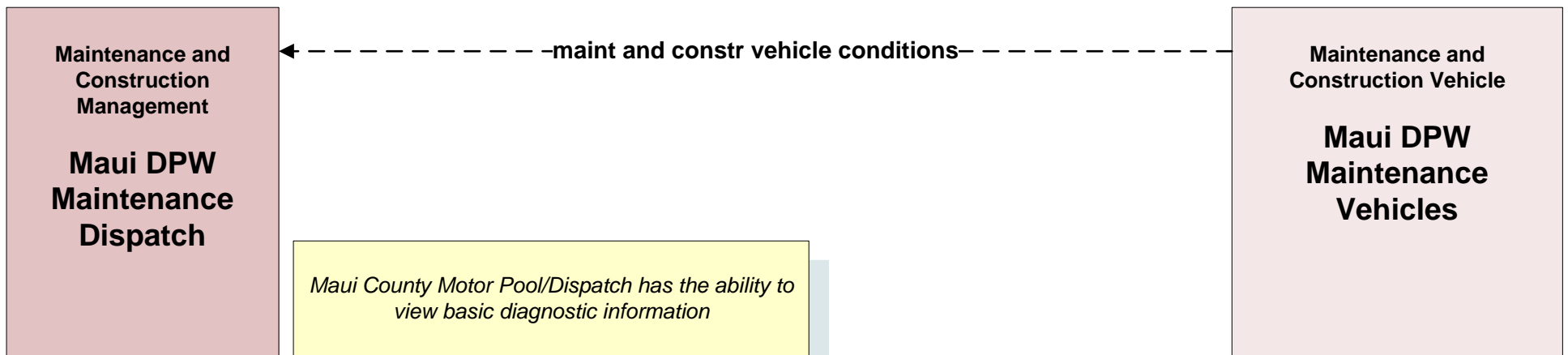
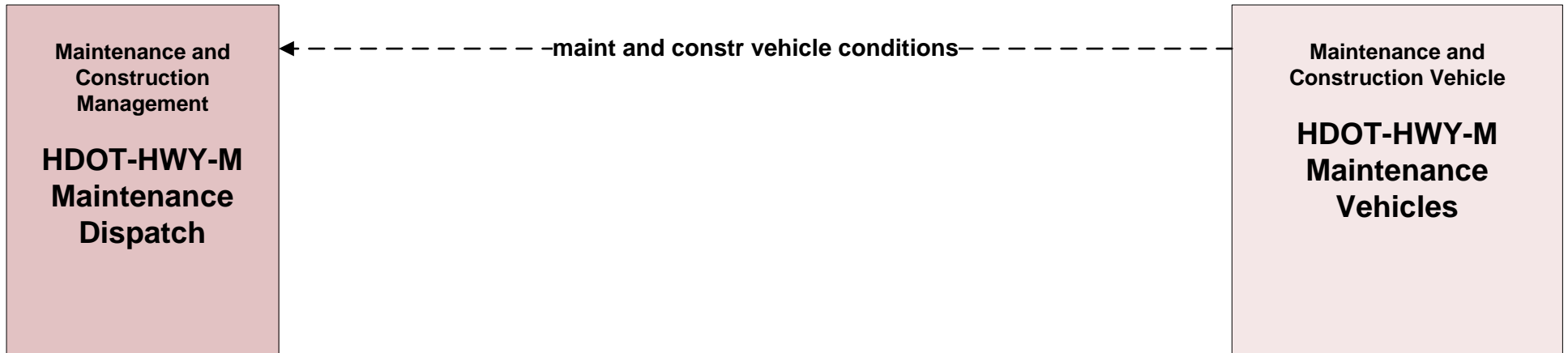
Customized Service Package Diagrams

Maintenance and Construction (MC)

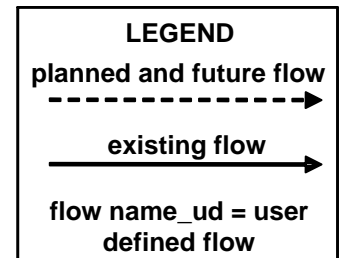
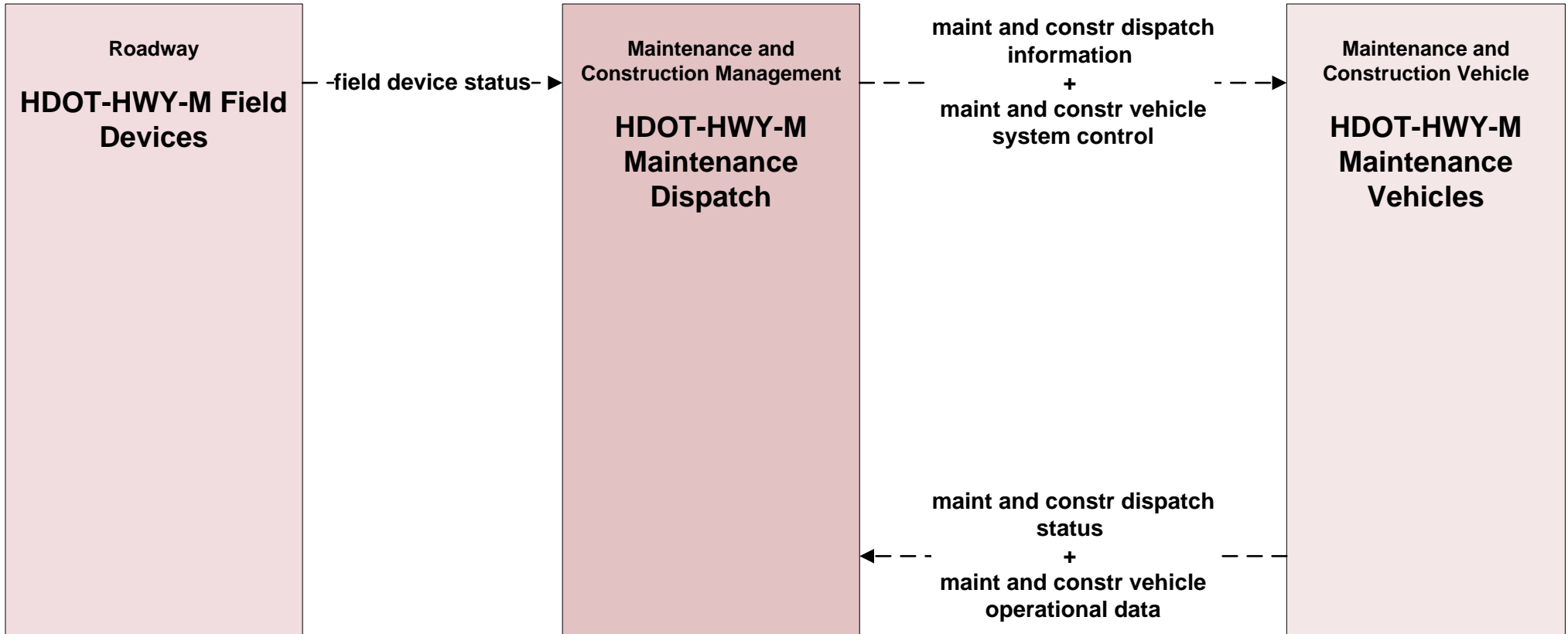
**MC01 - Maintenance and Construction Vehicle and Equipment Tracking
 HDOT Highways Maui District (HDOT-HWY-M) and Maui Department of Public Works (DPW)**



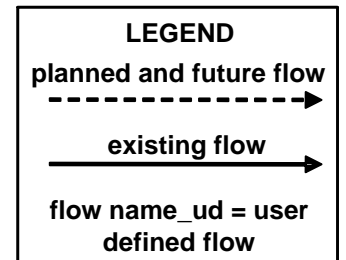
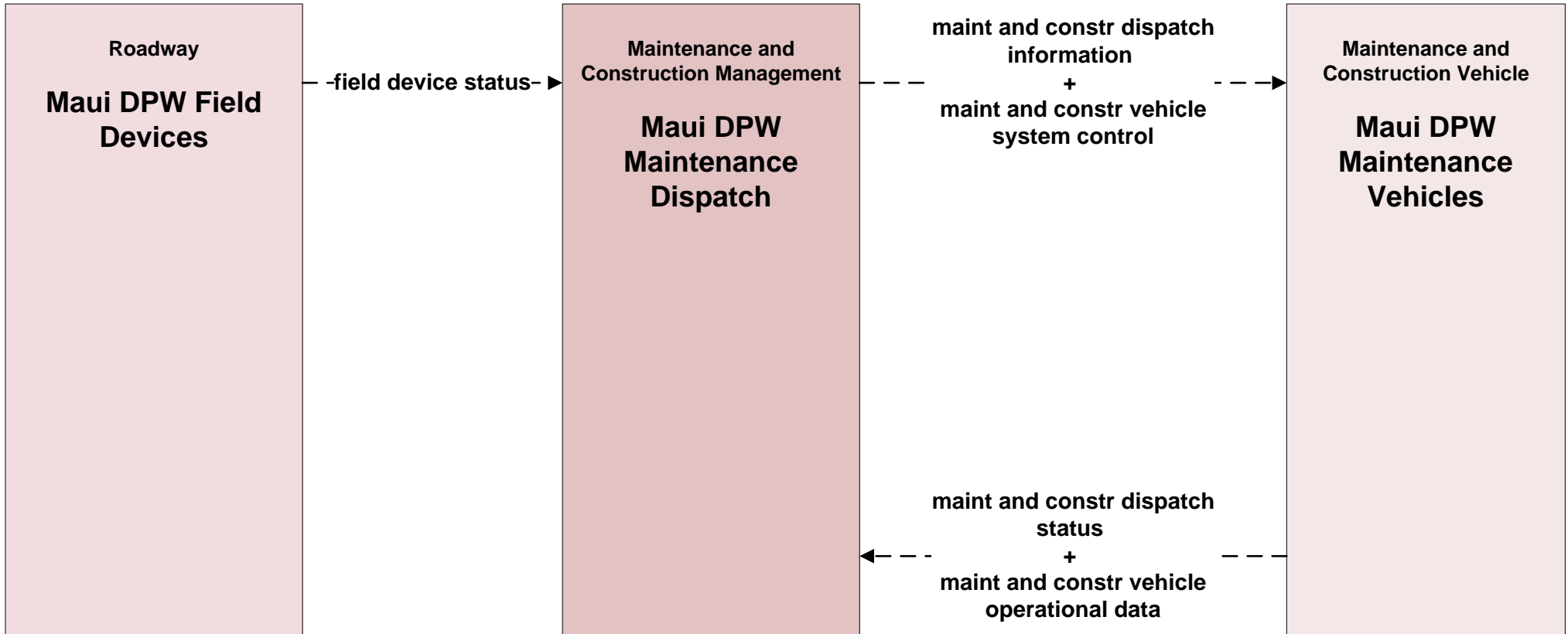
MC02 - Maintenance and Construction Vehicle Maintenance
HDOT Highways Maui District (HDOT-HWY-M) and Maui Department of Public Works (DPW)



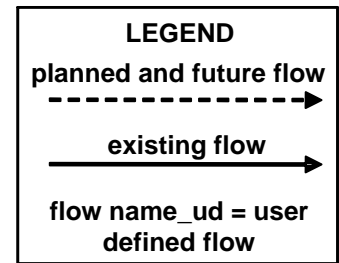
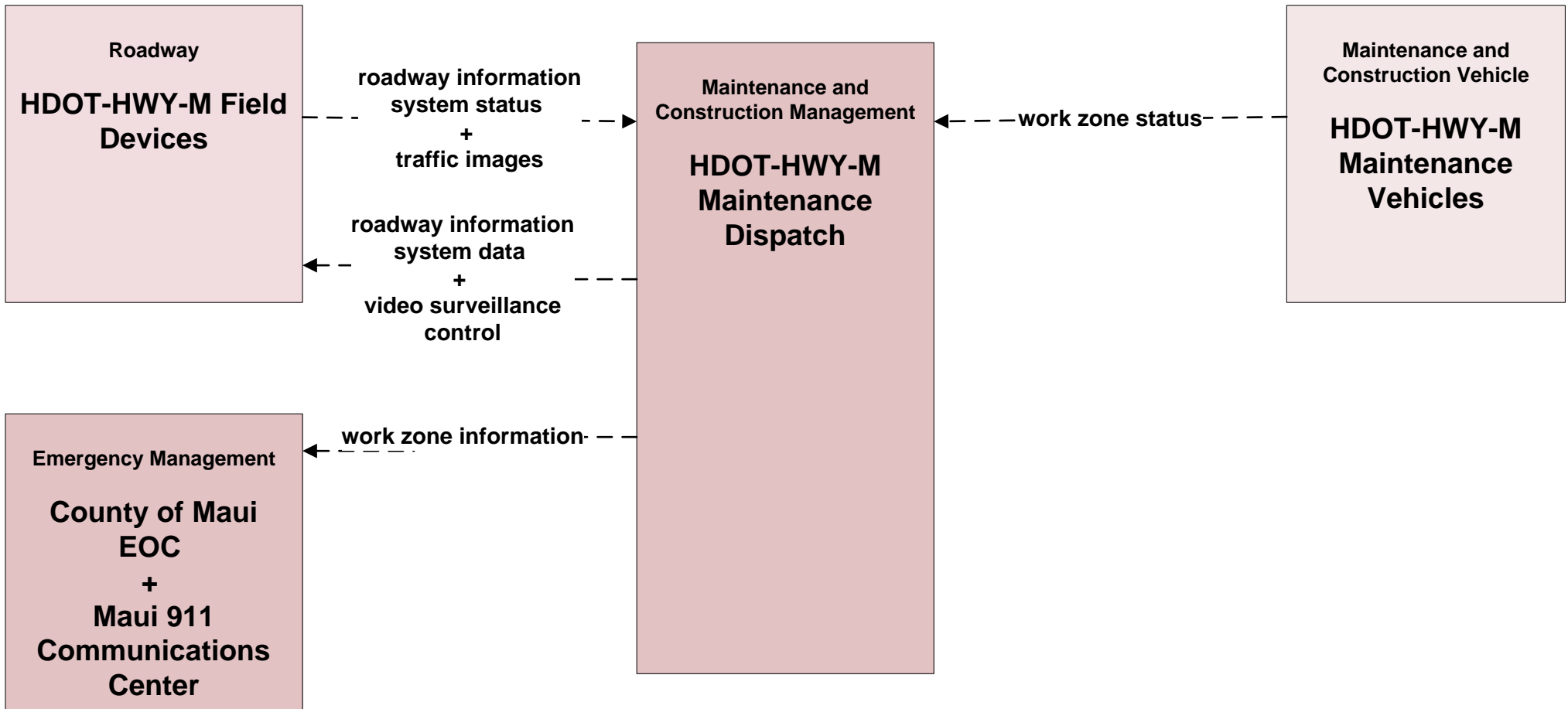
**MC07 - Roadway Maintenance and Construction
HDOT Highway Maui District (HDOT-HWY-M)**



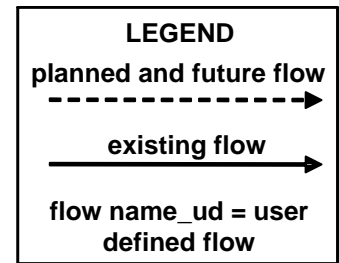
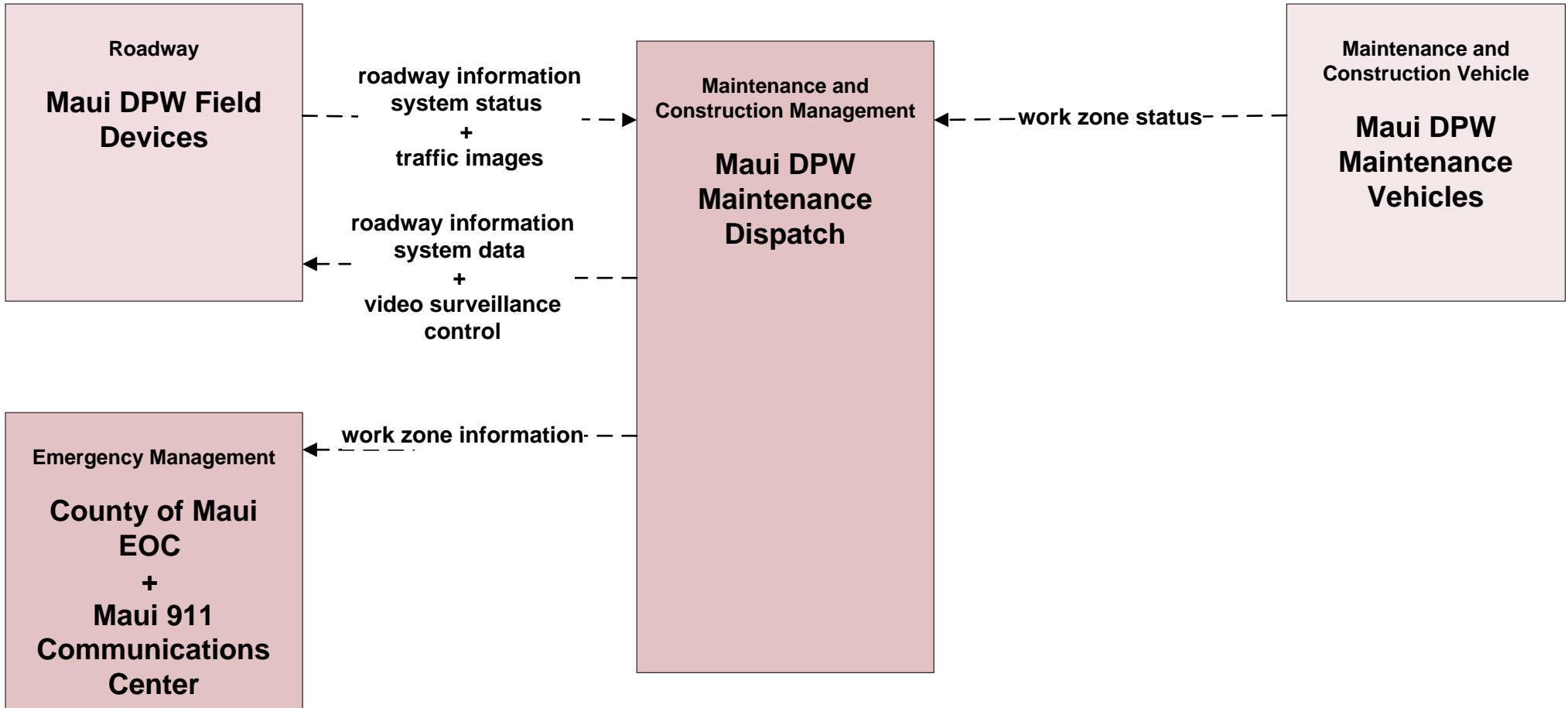
**MC07 - Roadway Maintenance and Construction
Maui Department of Public Works (DPW)**



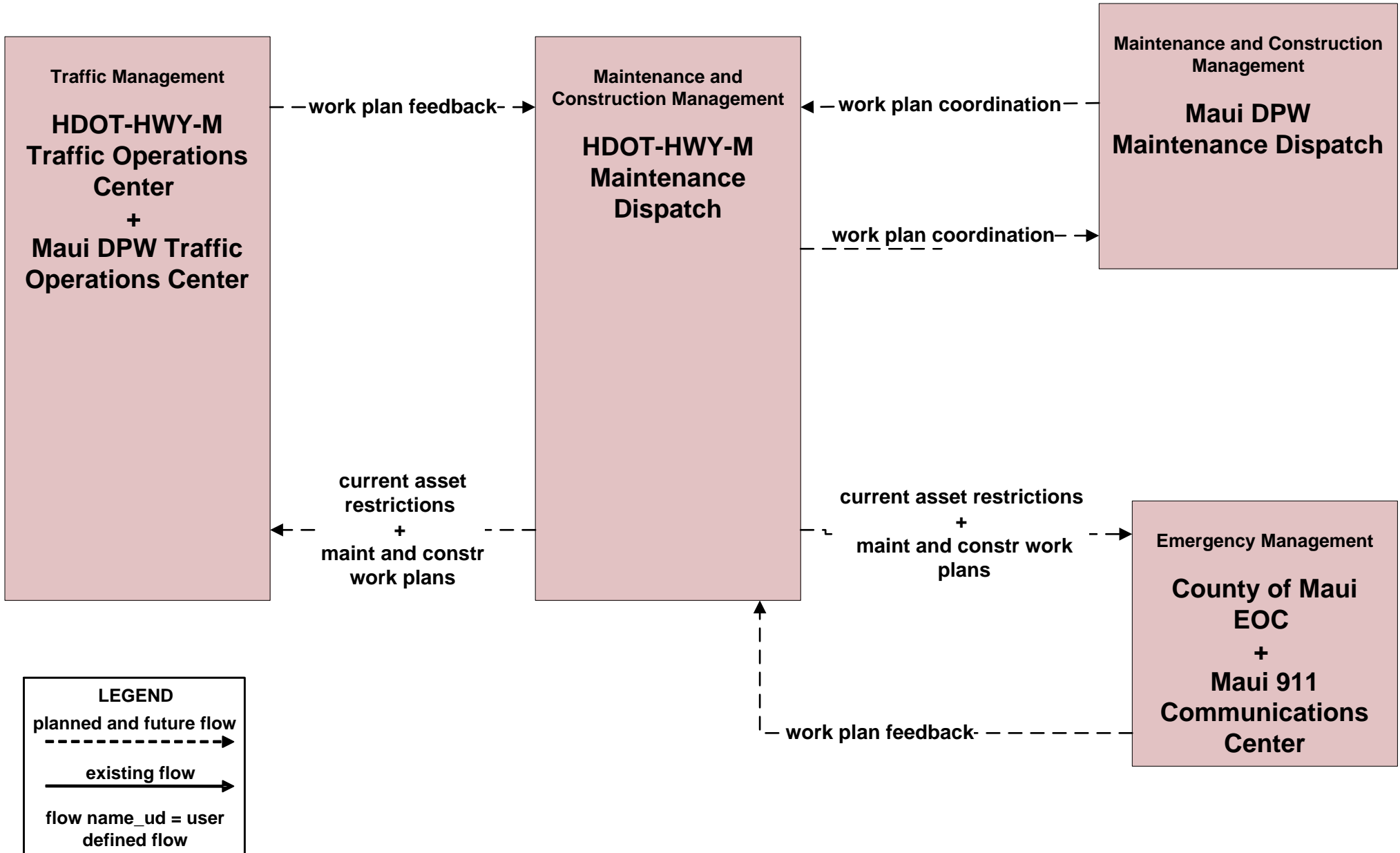
**MC08 - Work Zone Management
 HDOT Highway Maui District (HDOT-HWY-M)**



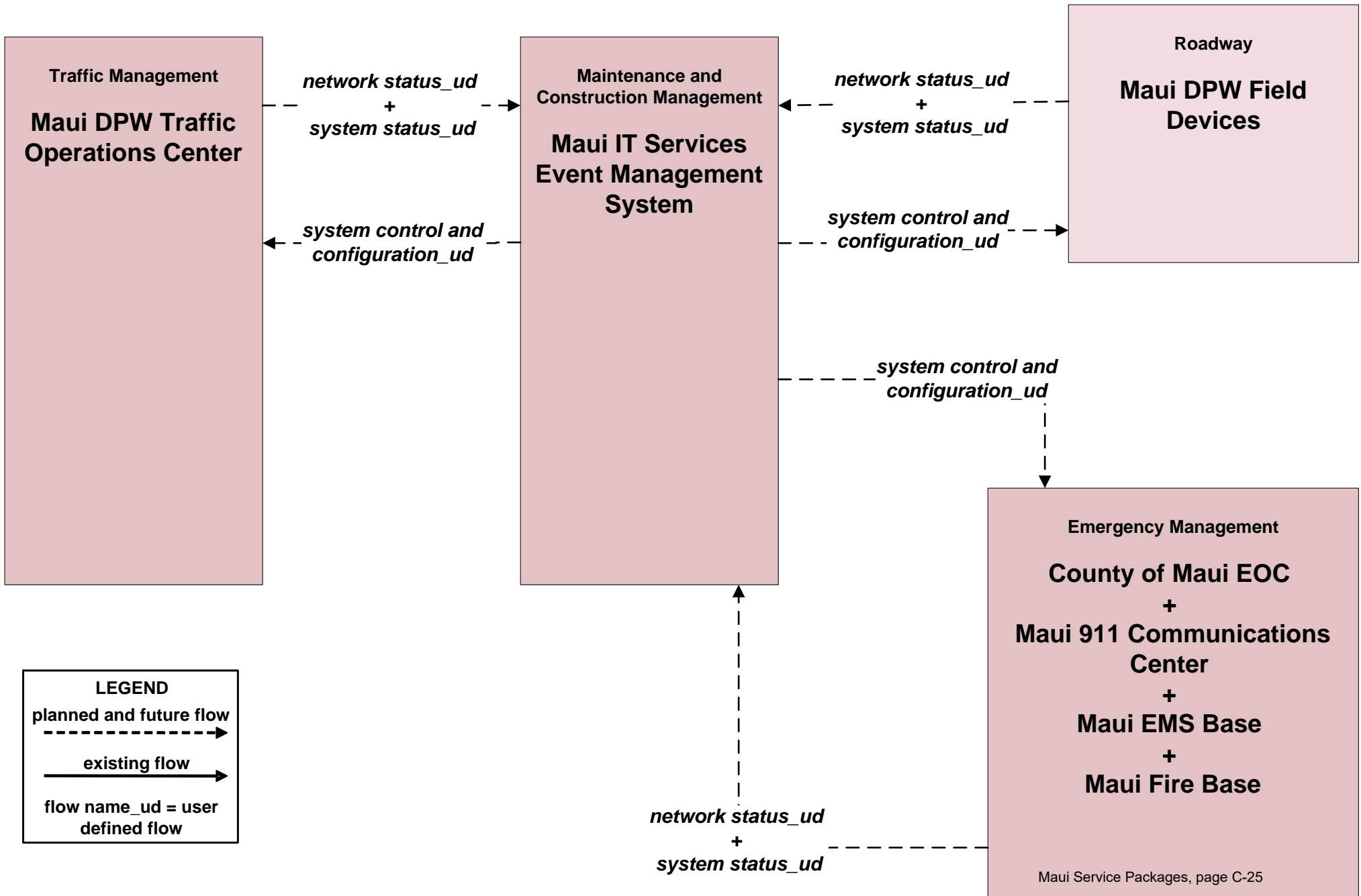
**MC08 - Work Zone Management
Maui Department of Public Works (DPW)**



**MC10 - Maintenance and Construction Activity Coordination
 HDOT Highway Maui District (HDOT-HWY-M)**



**MC12 - Communication and Information Systems Monitoring
Maui Department of Management IT Services**

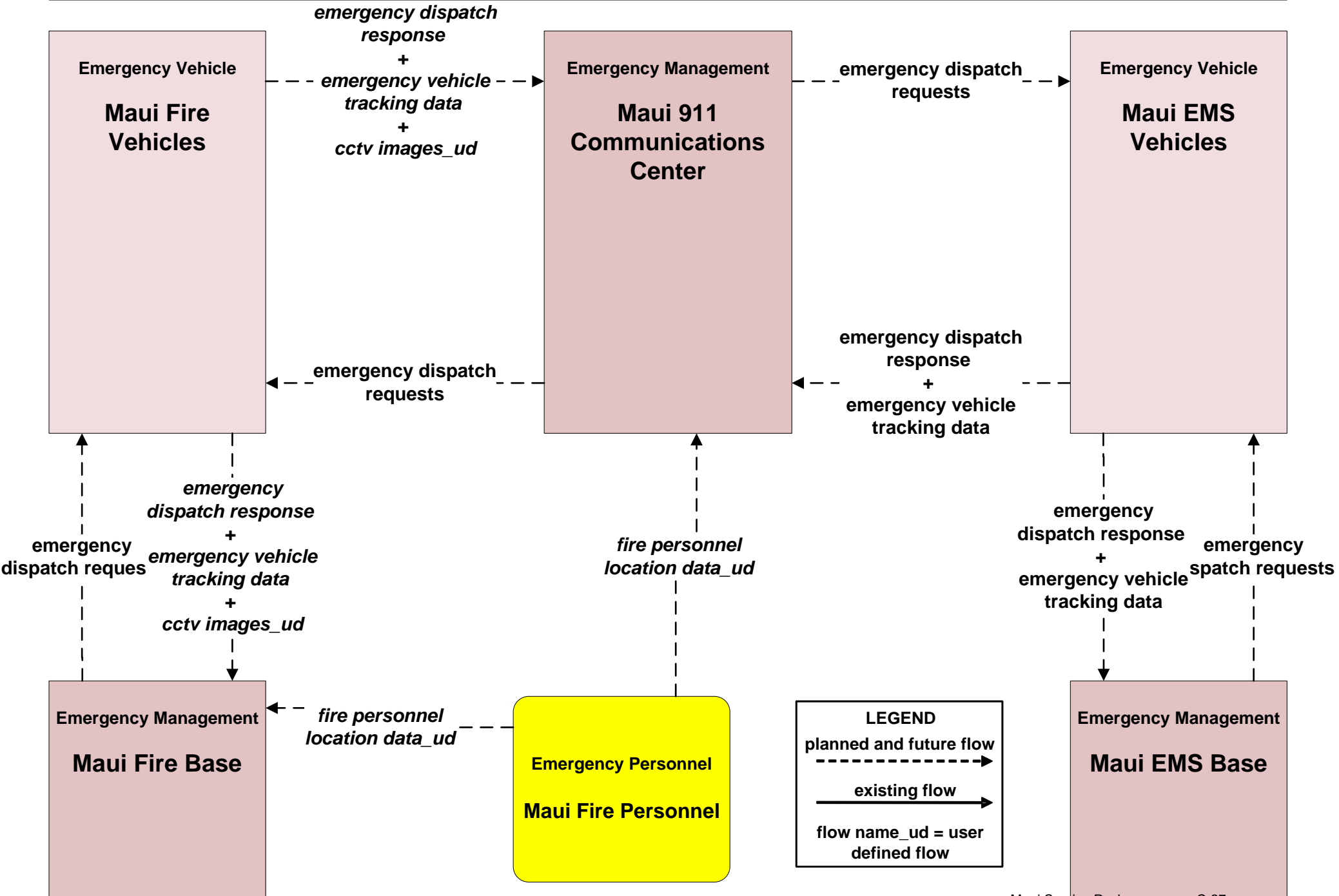


Maui Regional ITS Architecture

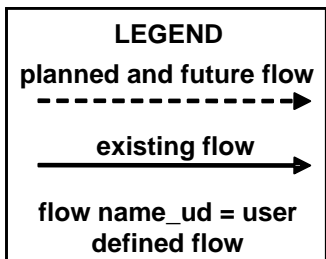
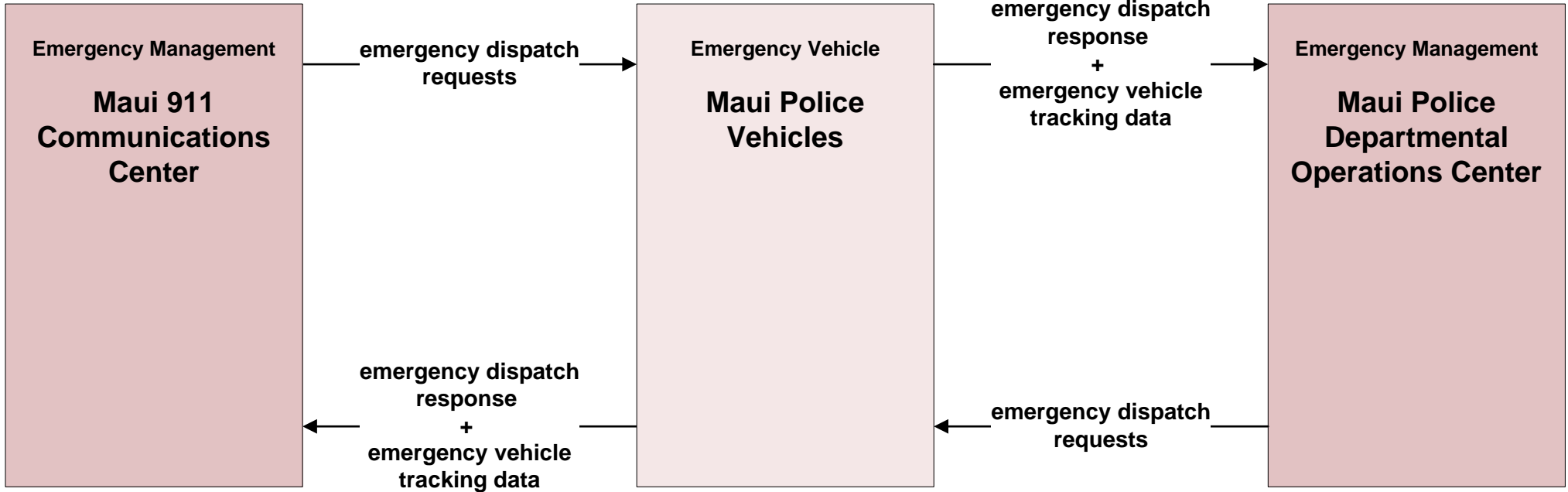
Customized Service Package Diagrams

Emergency Management (EM)

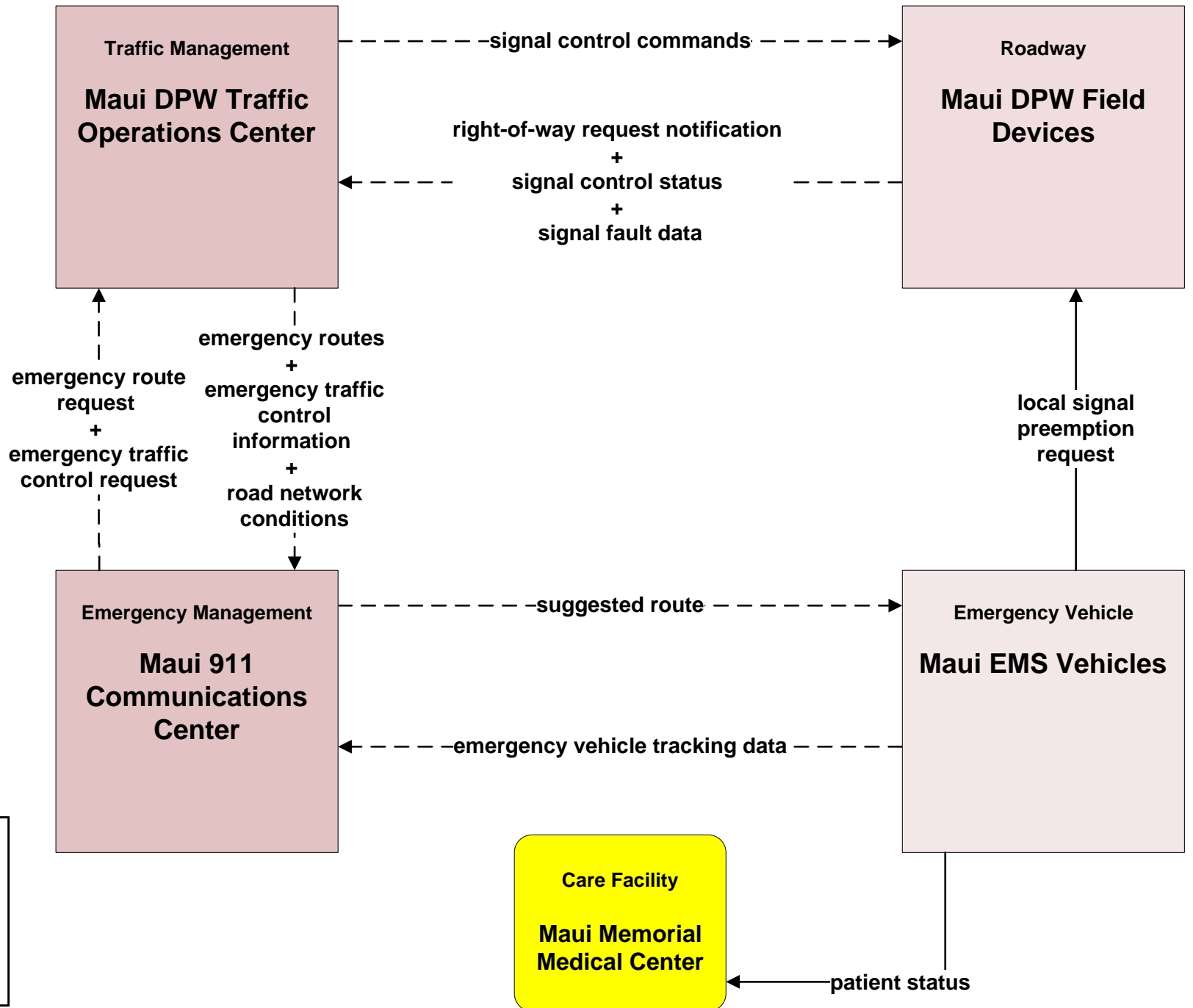
EM01 - Emergency Call-Taking and Dispatch Maui Department of Fire and Public Safety



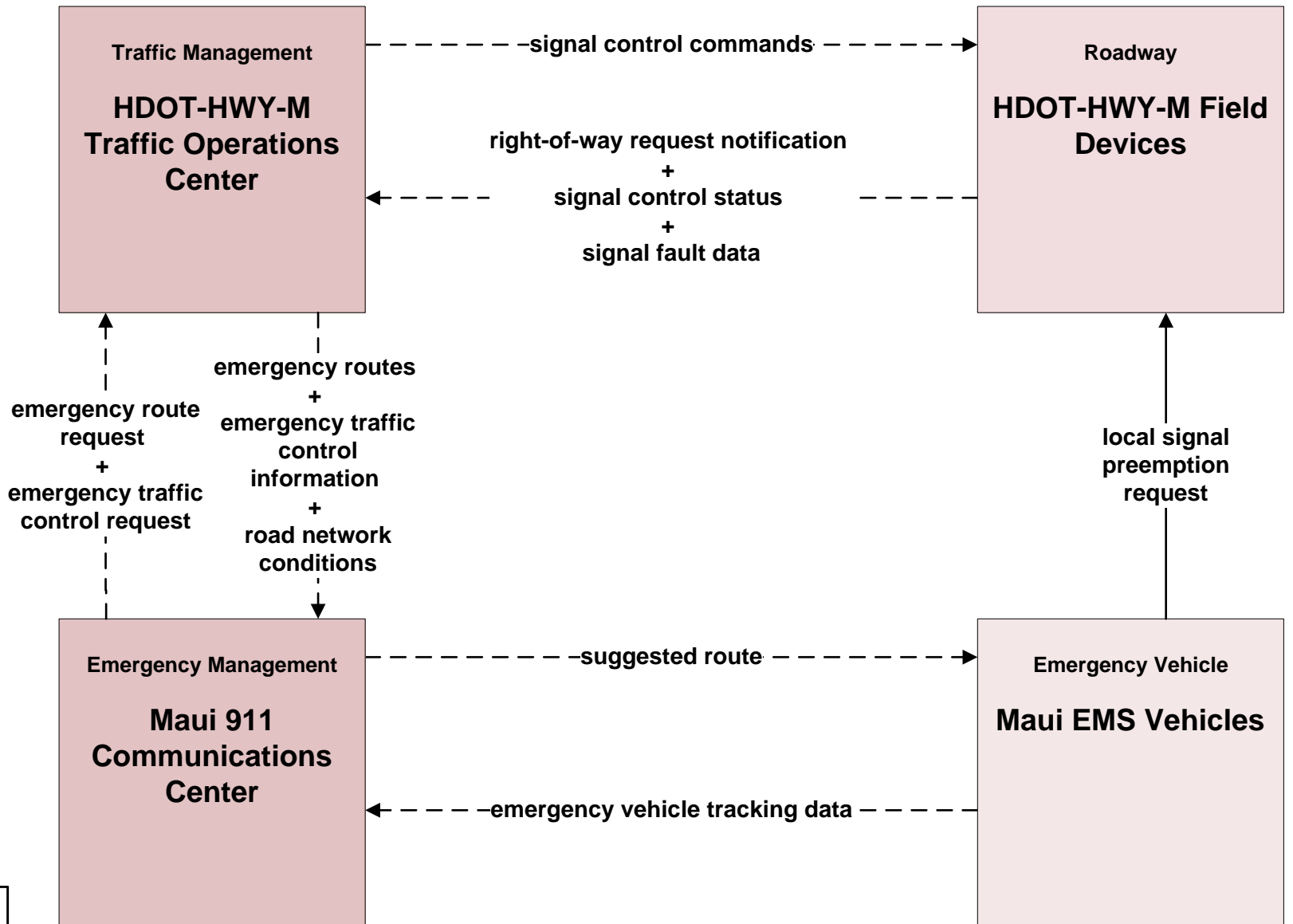
EM01 - Emergency Call-Taking and Dispatch Maui Police



EM02 - Emergency Routing Maui Department of Public Works (DPW) / Maui EMS



**EM02 - Emergency Routing
 HDOT Highway Maui District (HDOT-HWY-M) / Maui EMS**



LEGEND

planned and future flow
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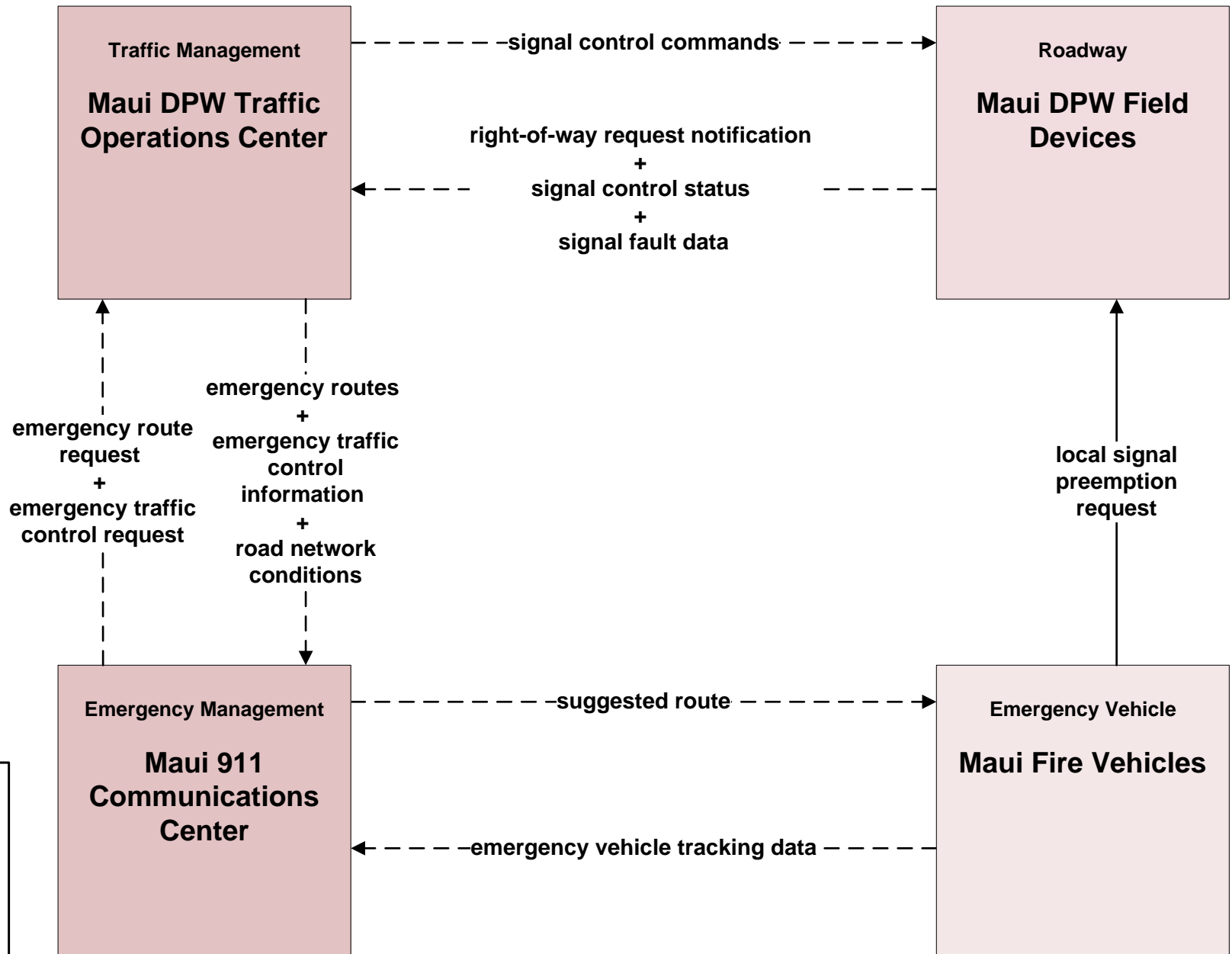
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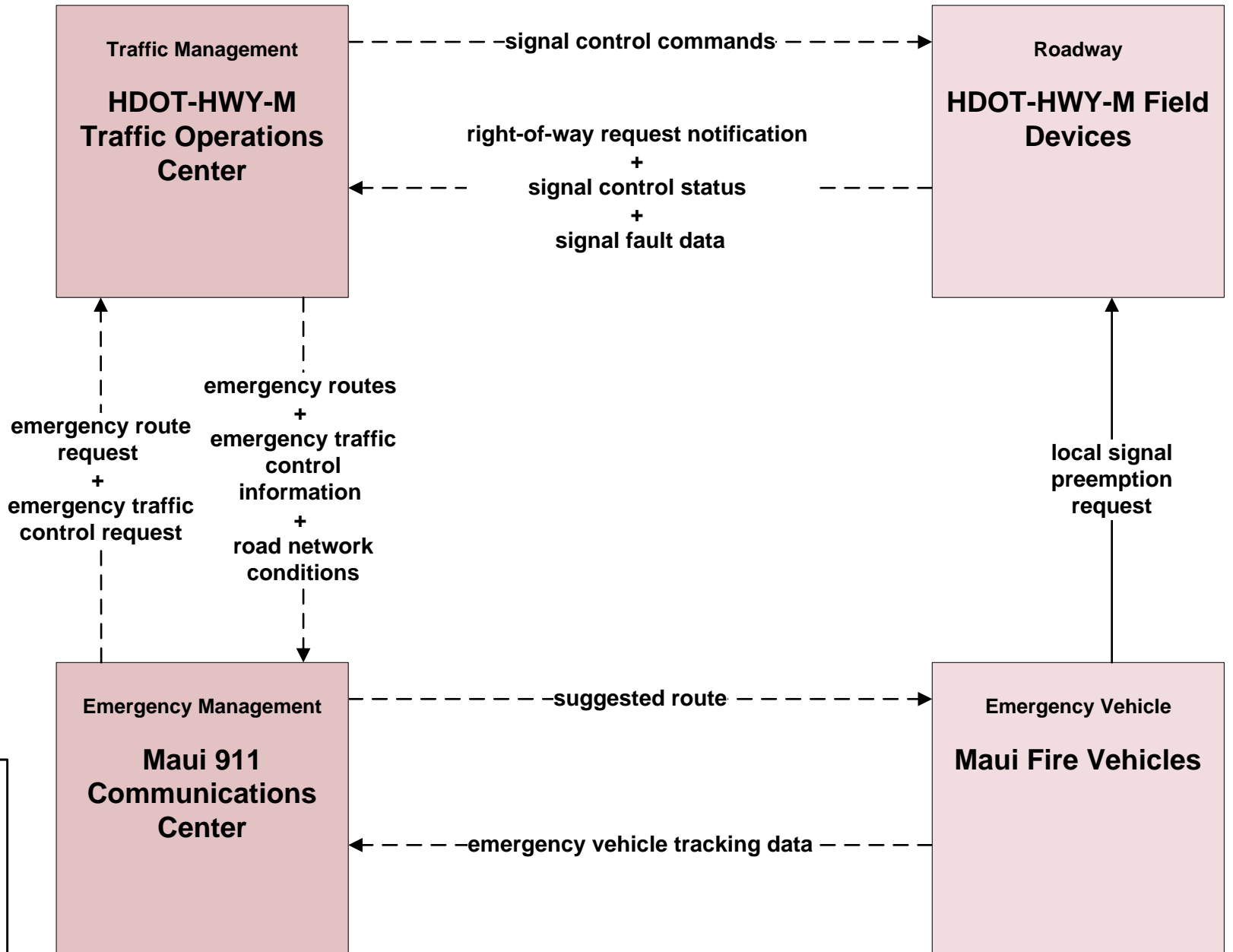
**Care Facility
 Maui Memorial
 Medical Center**

patient status

EM02 - Emergency Routing
Maui Department of Fire and Public Safety / Maui Department of Public Works (DPW)

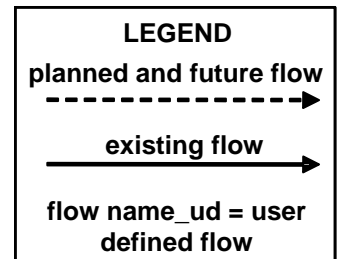
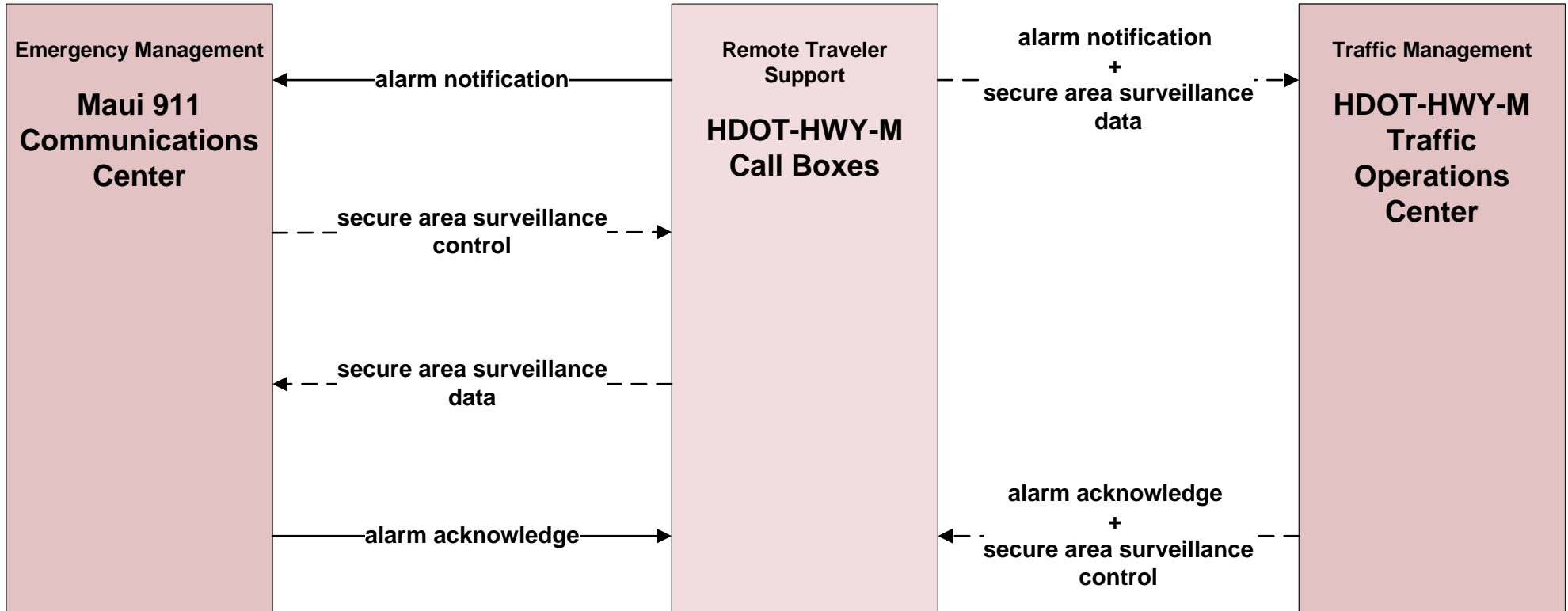


EM02 - Emergency Routing
HDOT Highway Maui District (HDOT-HWY-M) / Maui Department of Fire and Public Safety

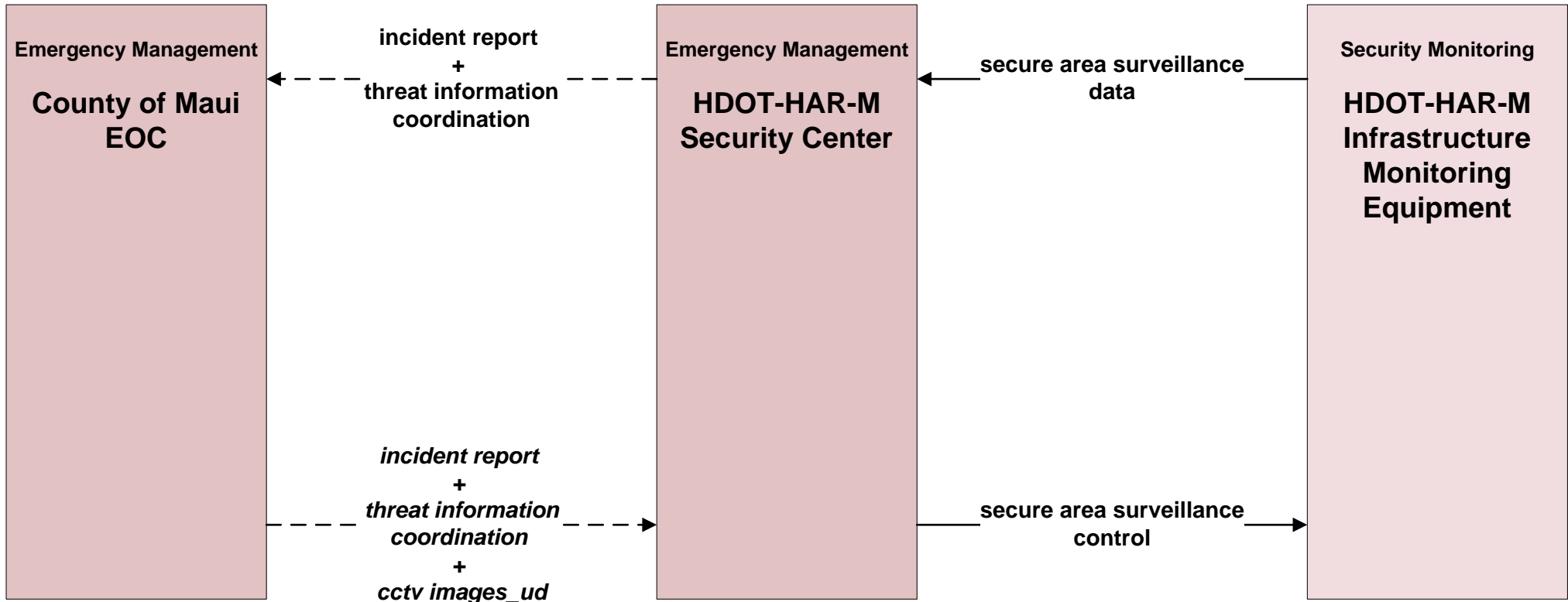


LEGEND
 planned and future flow
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 existing flow
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 flow name_ud = user defined flow

**EM03 - Mayday and Alarms Support
 HDOT Highway Maui District (HDOT-HWY-M) / Maui Police**



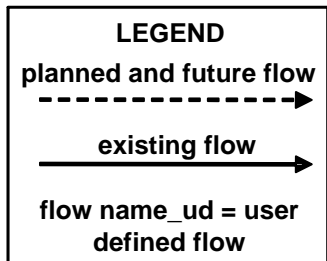
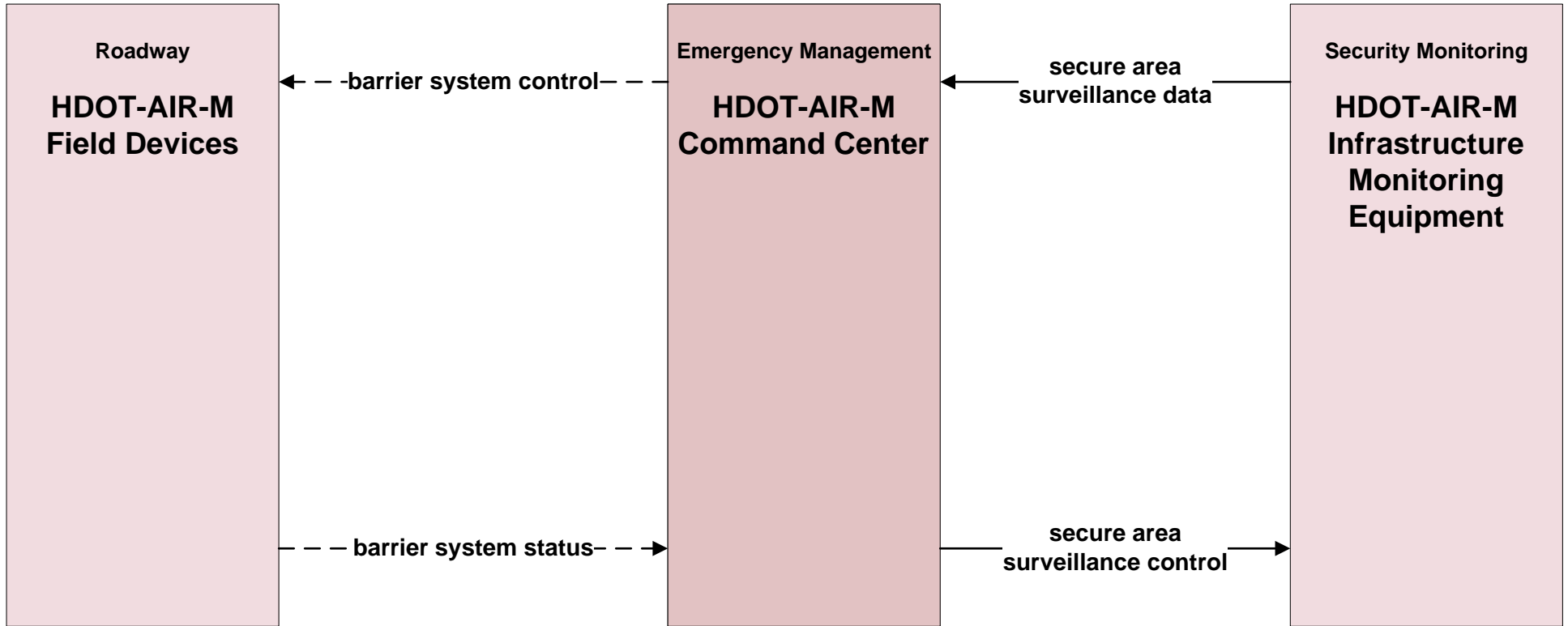
**EM05 - Transportation Infrastructure Protection
HDOT Harbors Maui District (HDOT-HAR-M)**



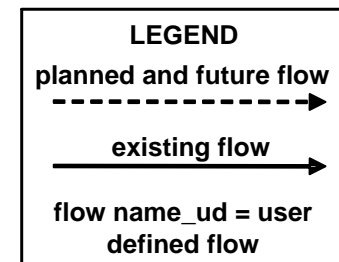
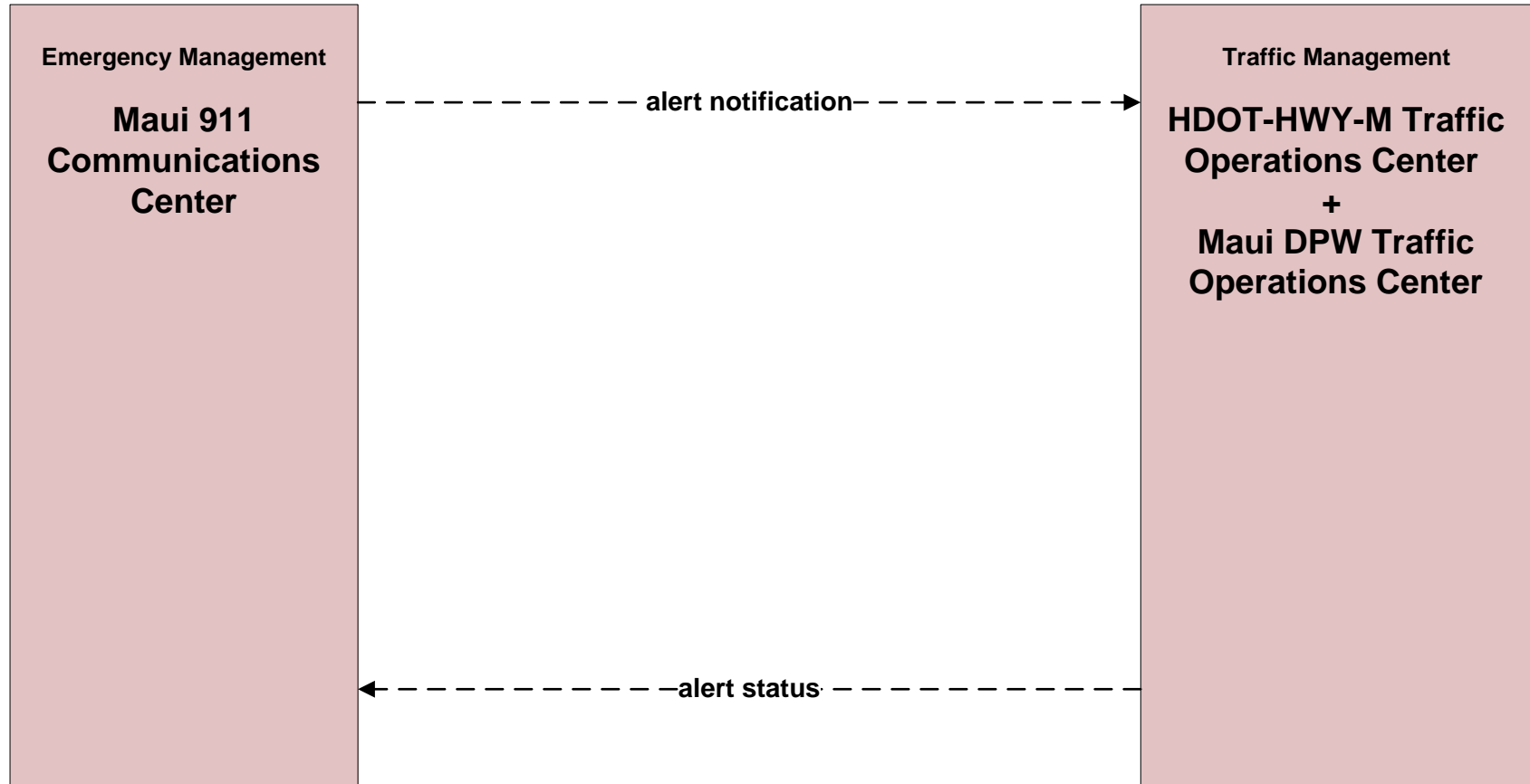
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- existing flow
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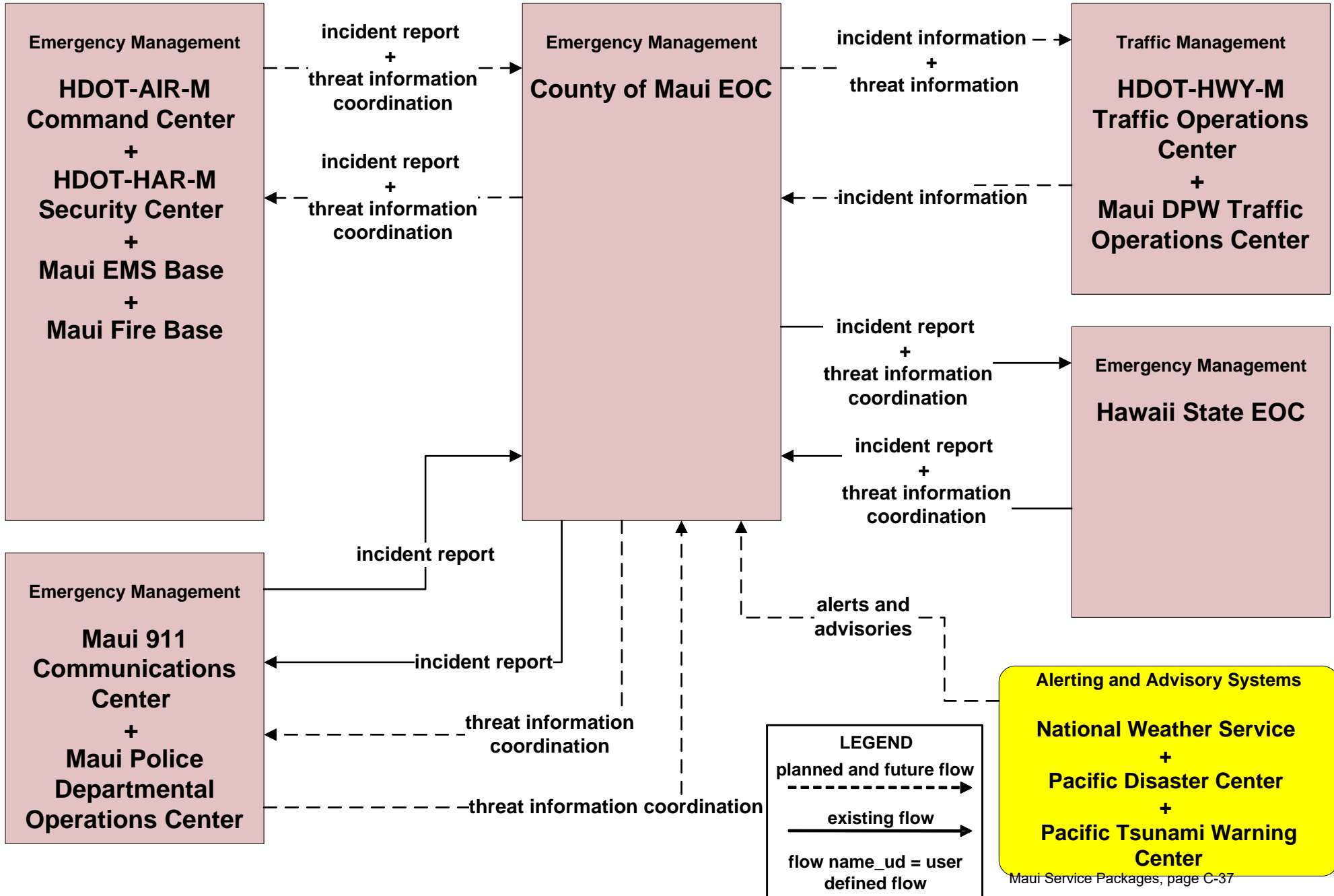
**EM05 - Transportation Infrastructure Protection
HDOT Airports Maui District (HDOT-AIR-M)**



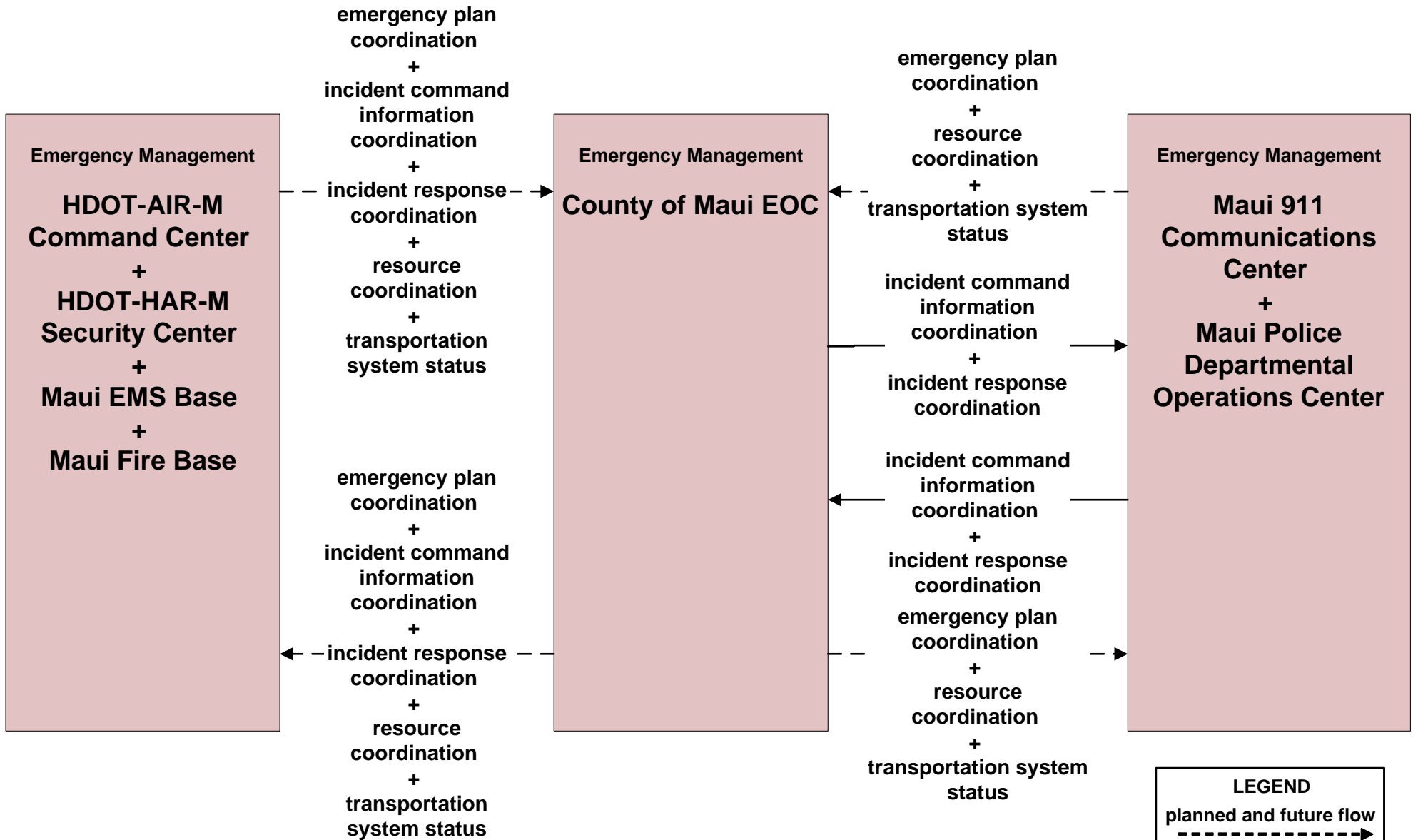
**EM06 - Wide Area Alert
Maile Amber / Silver Alerts**



**EM07 - Early Warning System
County of Maui EOC**



**EM08 - Disaster Response and Recovery
County of Maui and HDOT (1 of 3)**



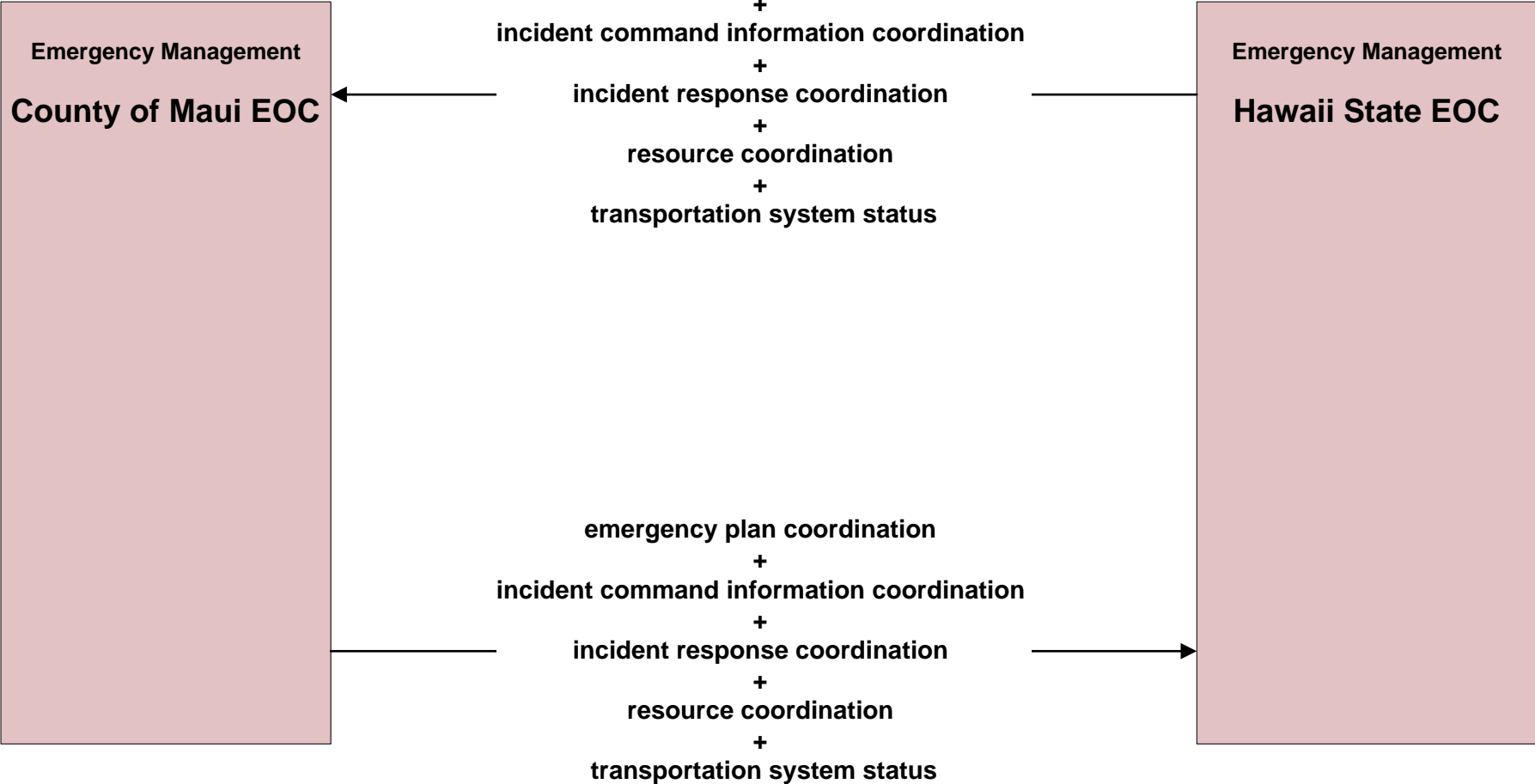
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existing flow
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**EM08 - Disaster Response and Recovery
County of Maui and HDOT (2 of 3)**



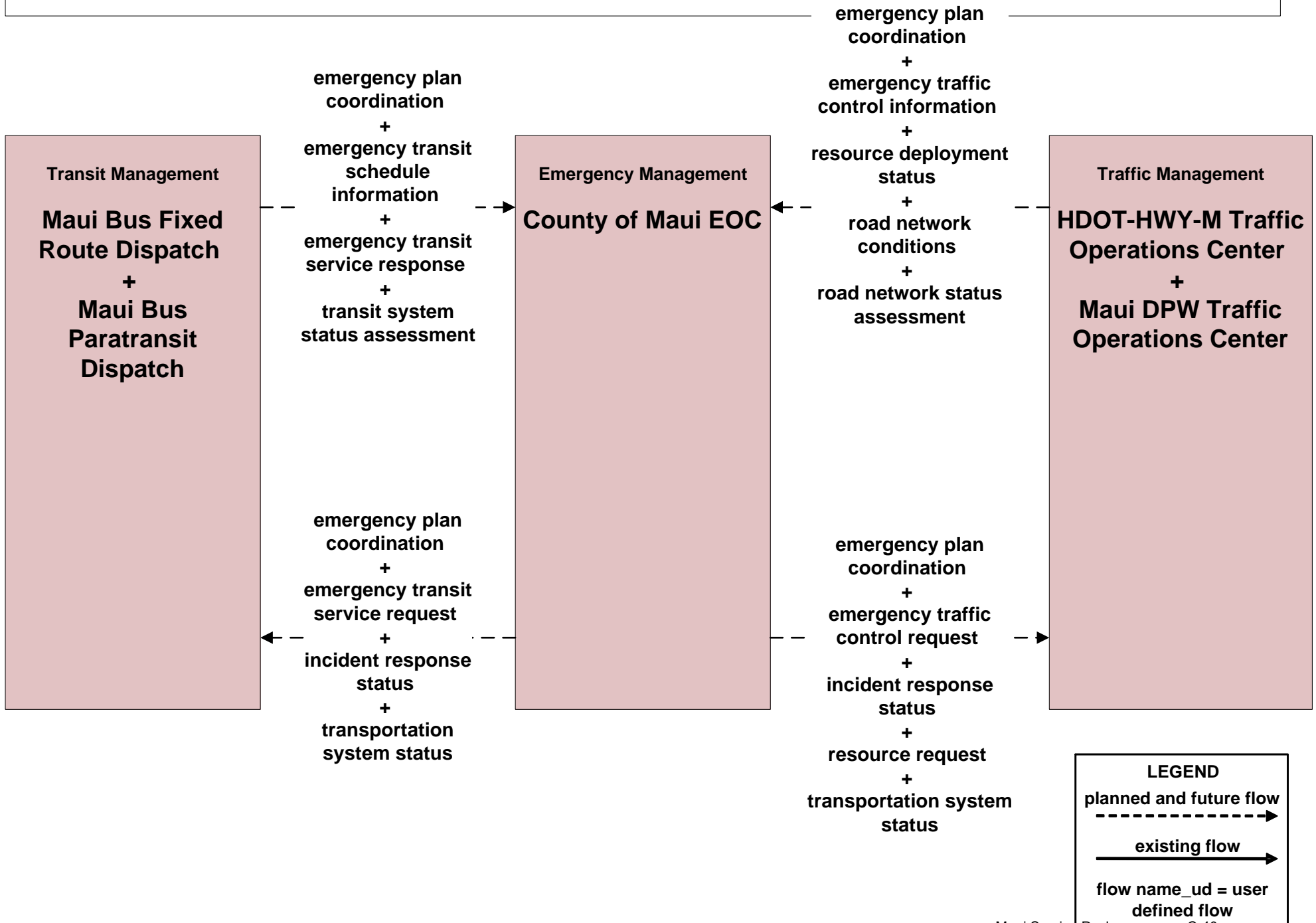
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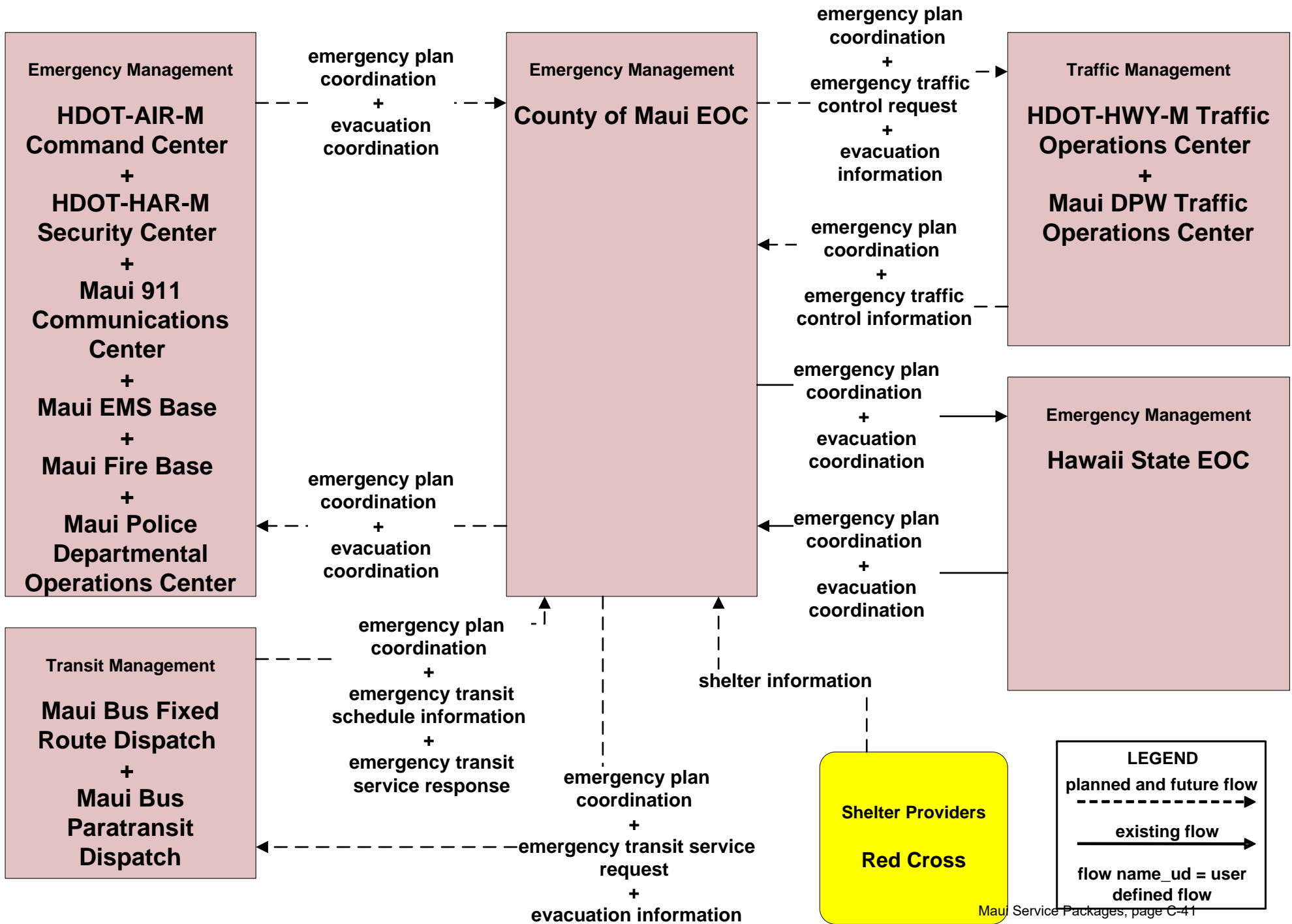
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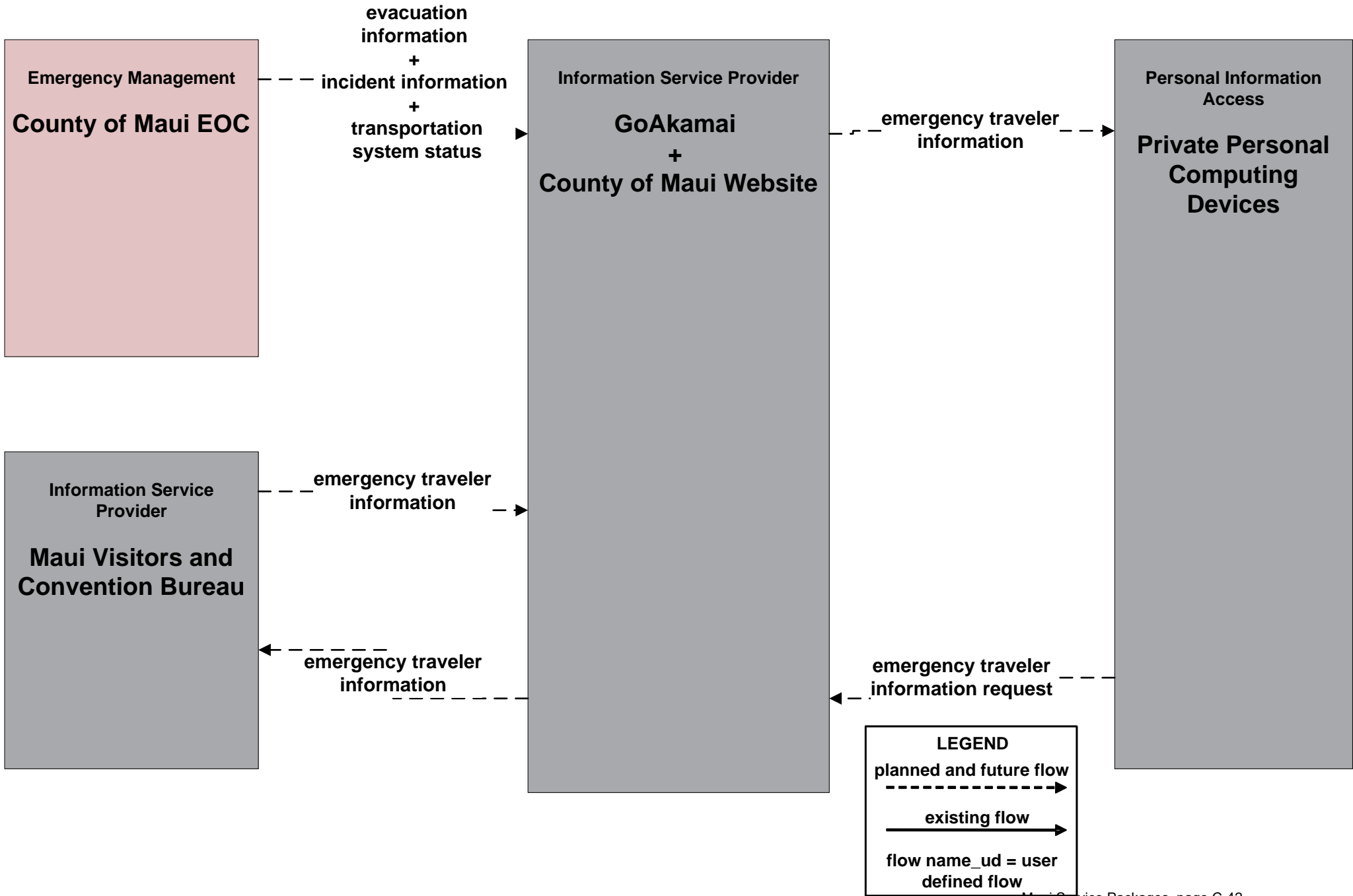
**EM08 - Disaster Response and Recovery
County of Maui and HDOT (3 of 3)**



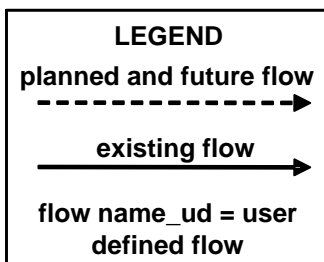
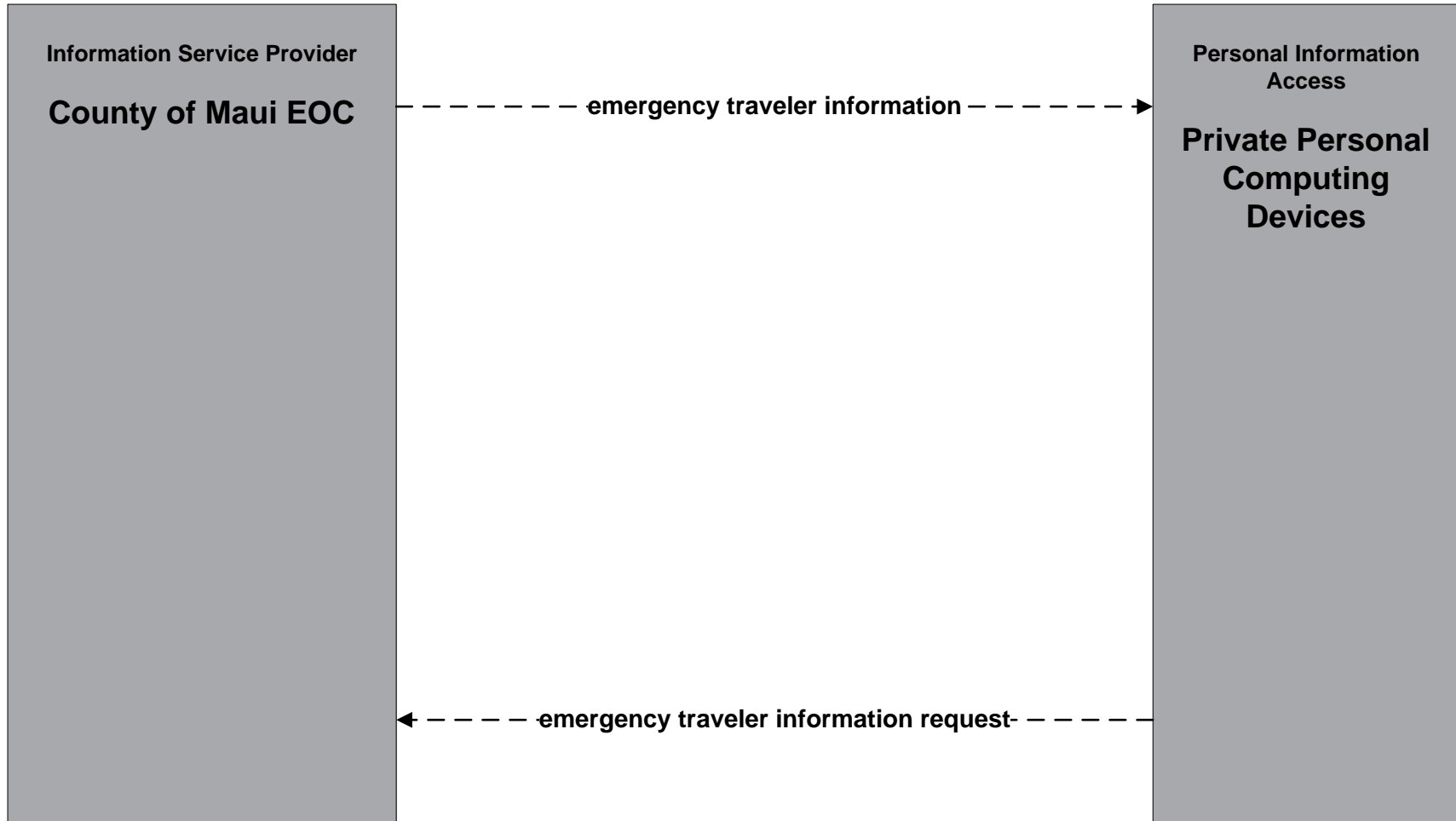
EM09 - Evacuation and Reentry Management County of Maui and HDOT



**EM10 - Disaster Traveler Information
County of Maui and HDOT**



**EM10 - Disaster Traveler Information
County of Maui EOC Reverse 911**

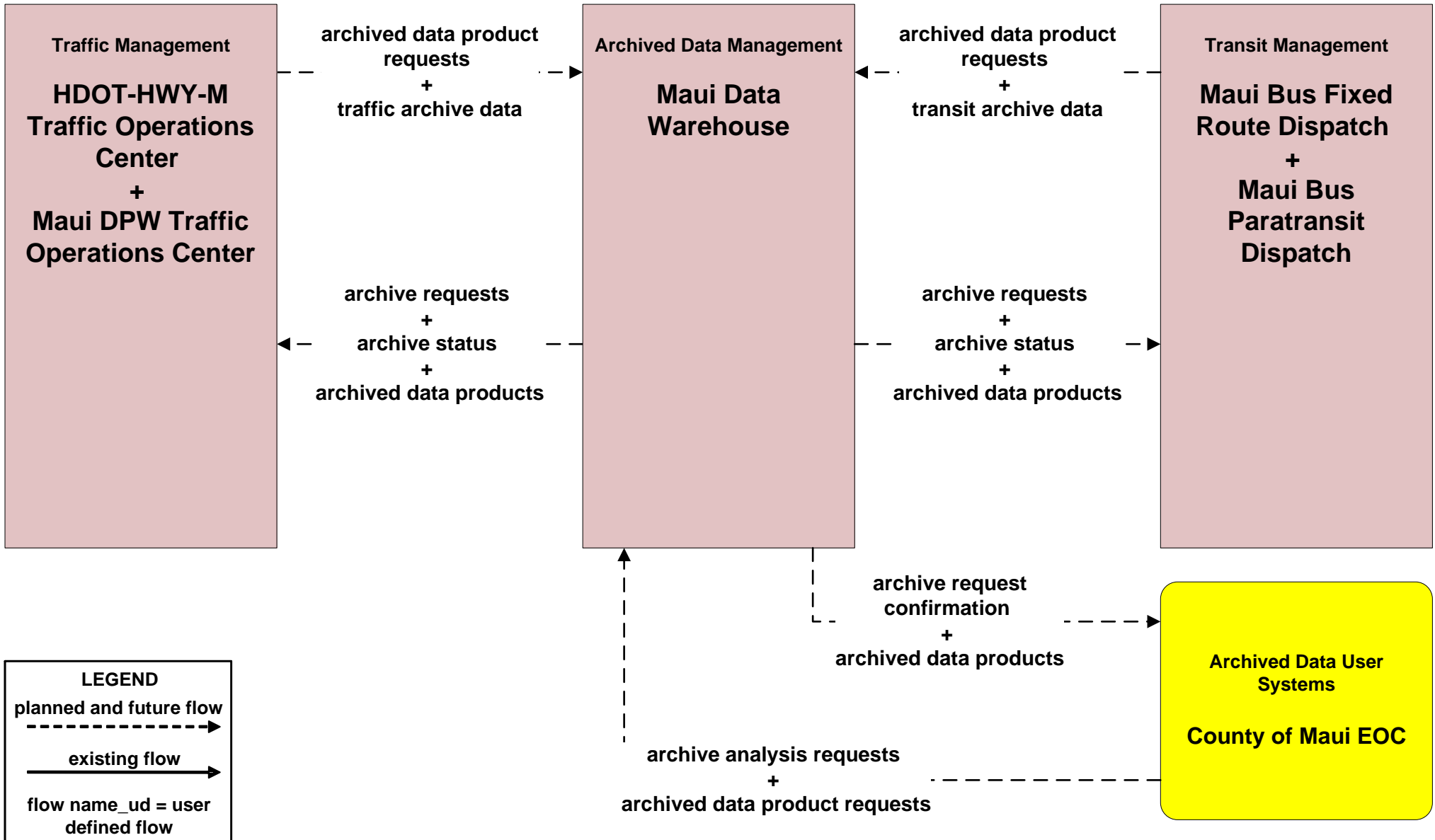


Maui Regional ITS Architecture

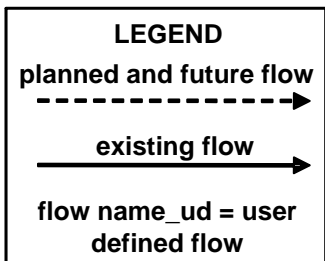
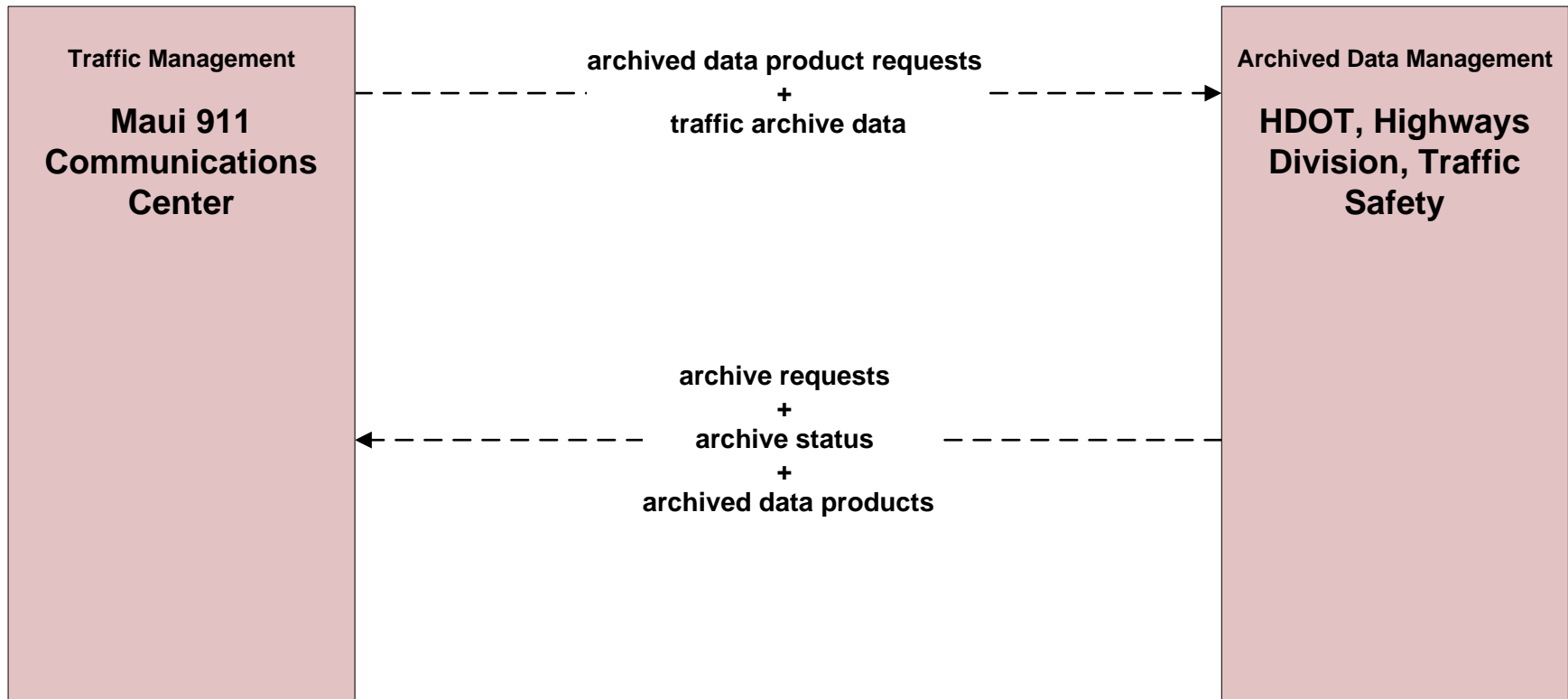
Customized Service Package Diagrams

Archived Data (AD)

AD2 - ITS Data Warehouse Maui Data Warehouse



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

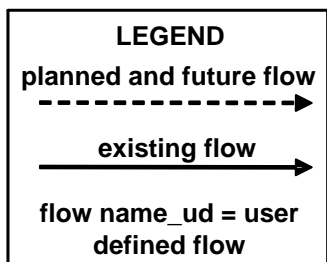
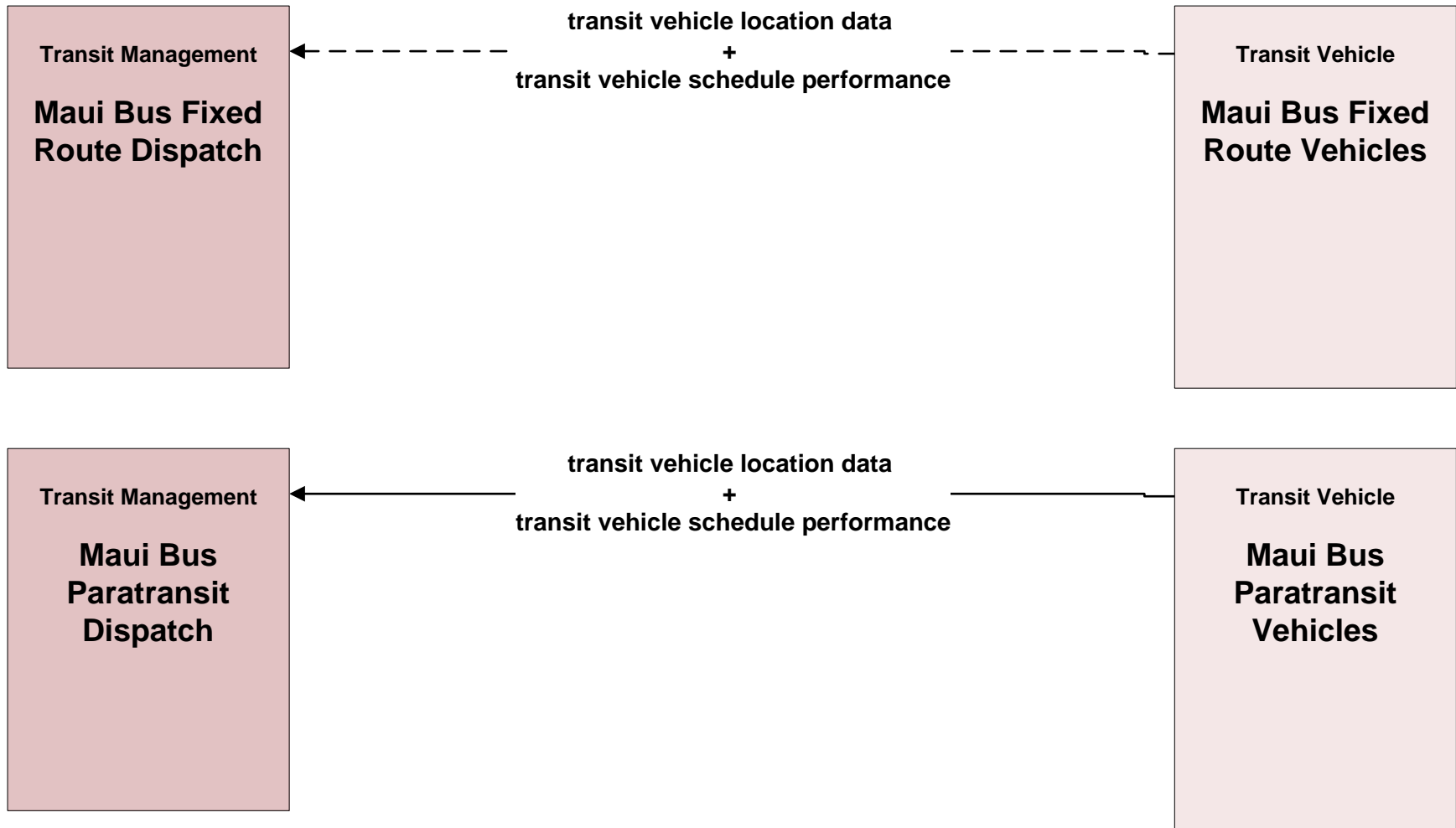


Maui Regional ITS Architecture

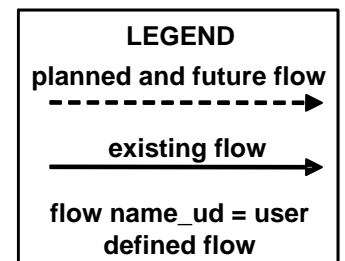
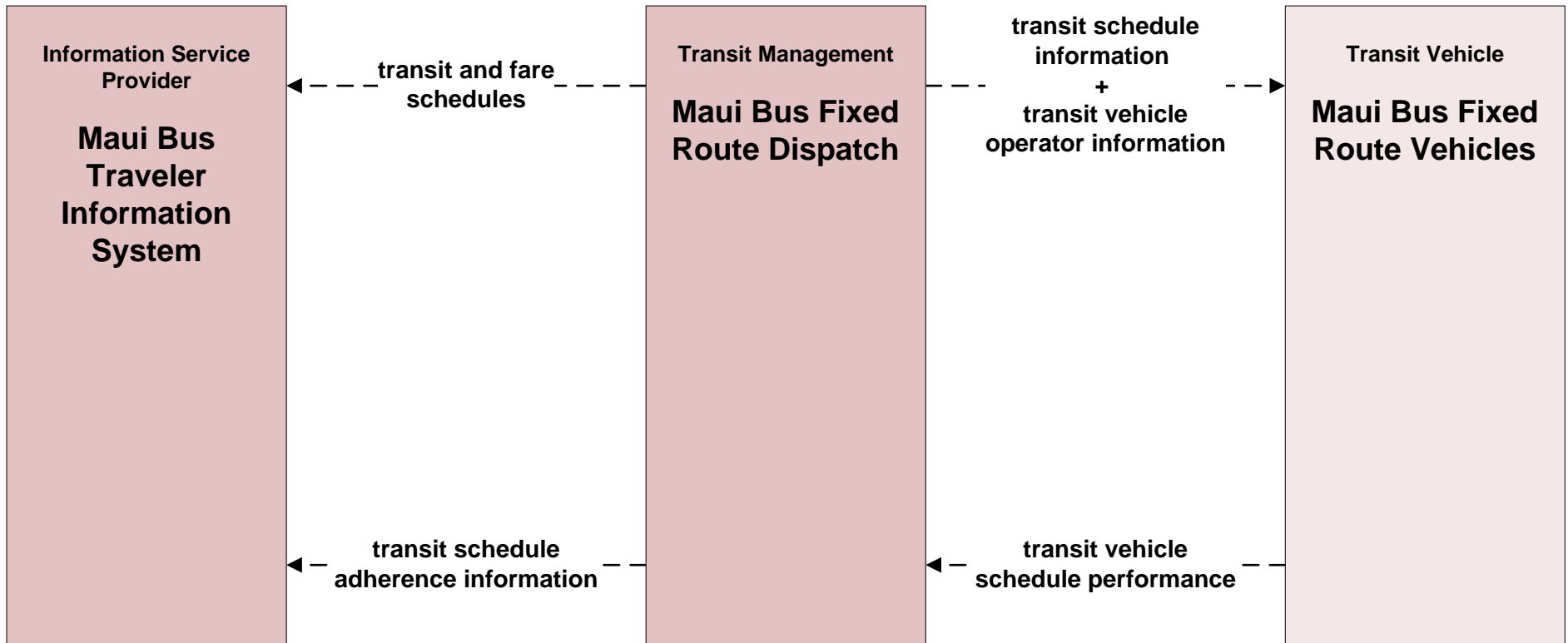
Customized Service Package Diagrams

**Advanced Public Transportation Systems
(APTS)**

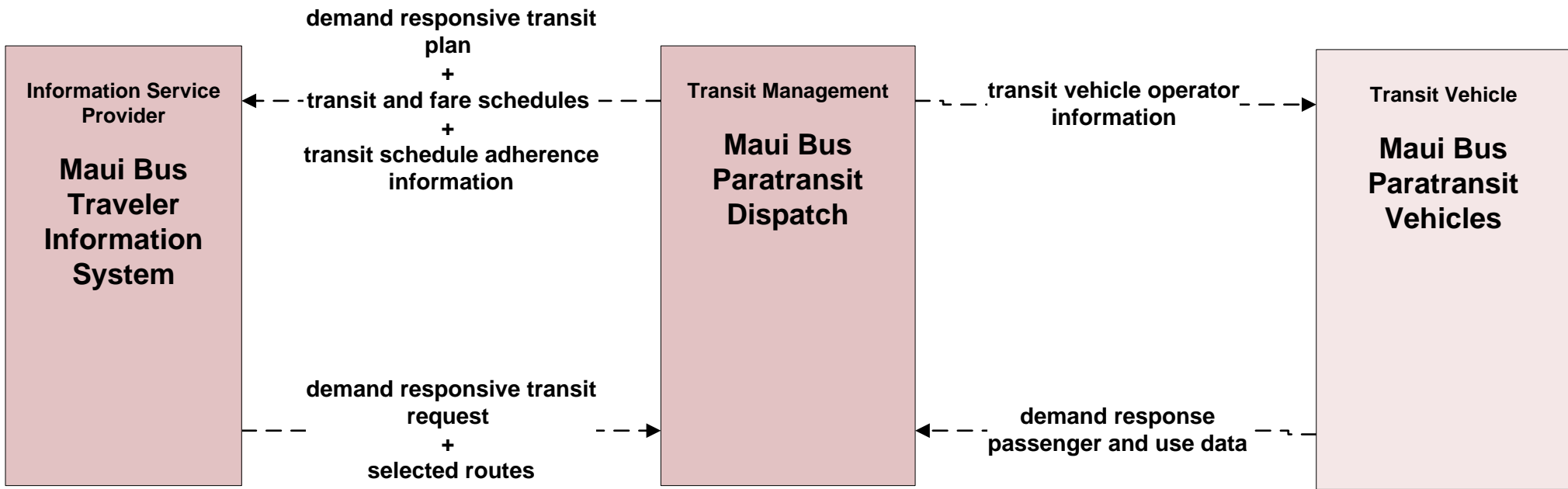
APTS01 - Transit Vehicle Tracking Maui Bus



APTS02 - Transit Fixed-Route Operations Maui Bus



**APTS03 - Demand Response Transit Operations
Maui Bus**



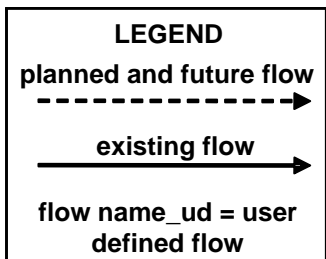
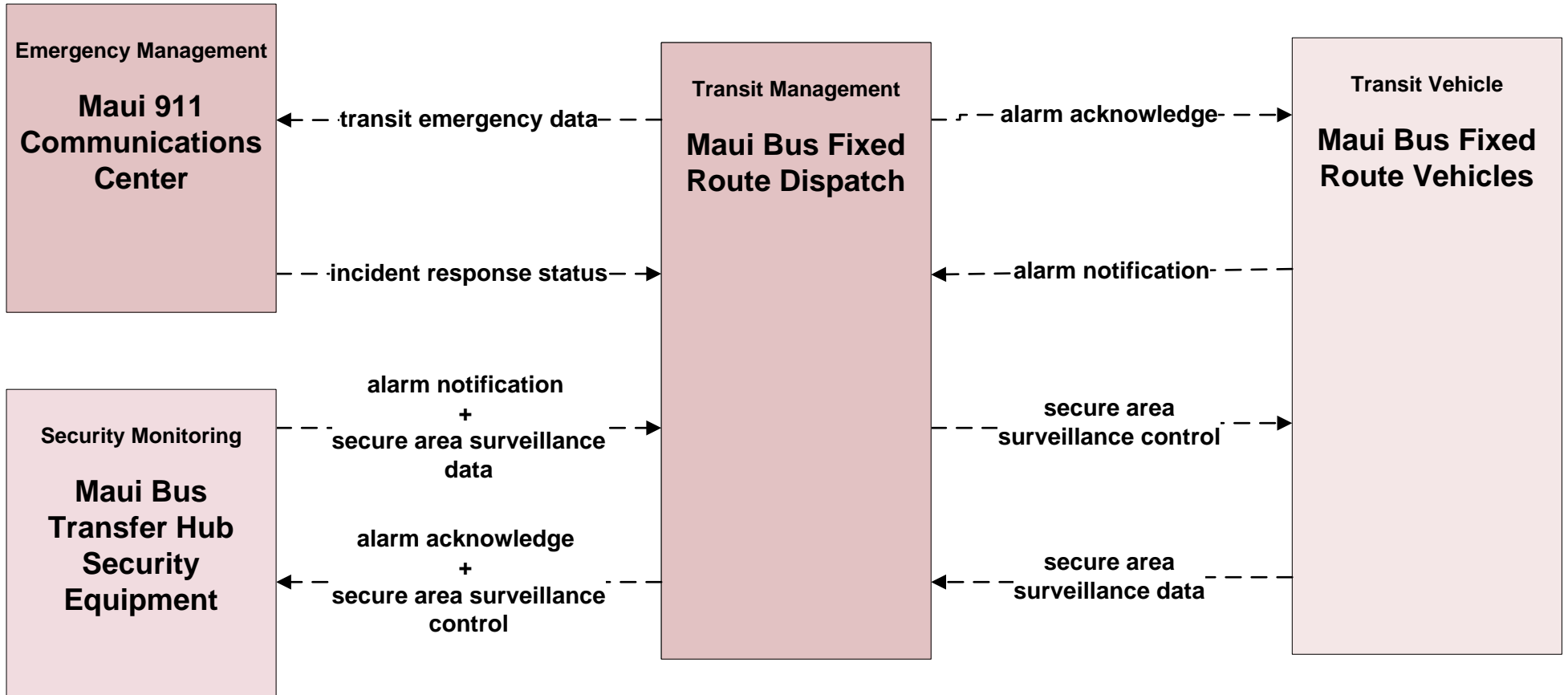
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planned and future flow
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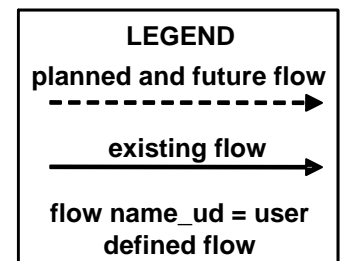
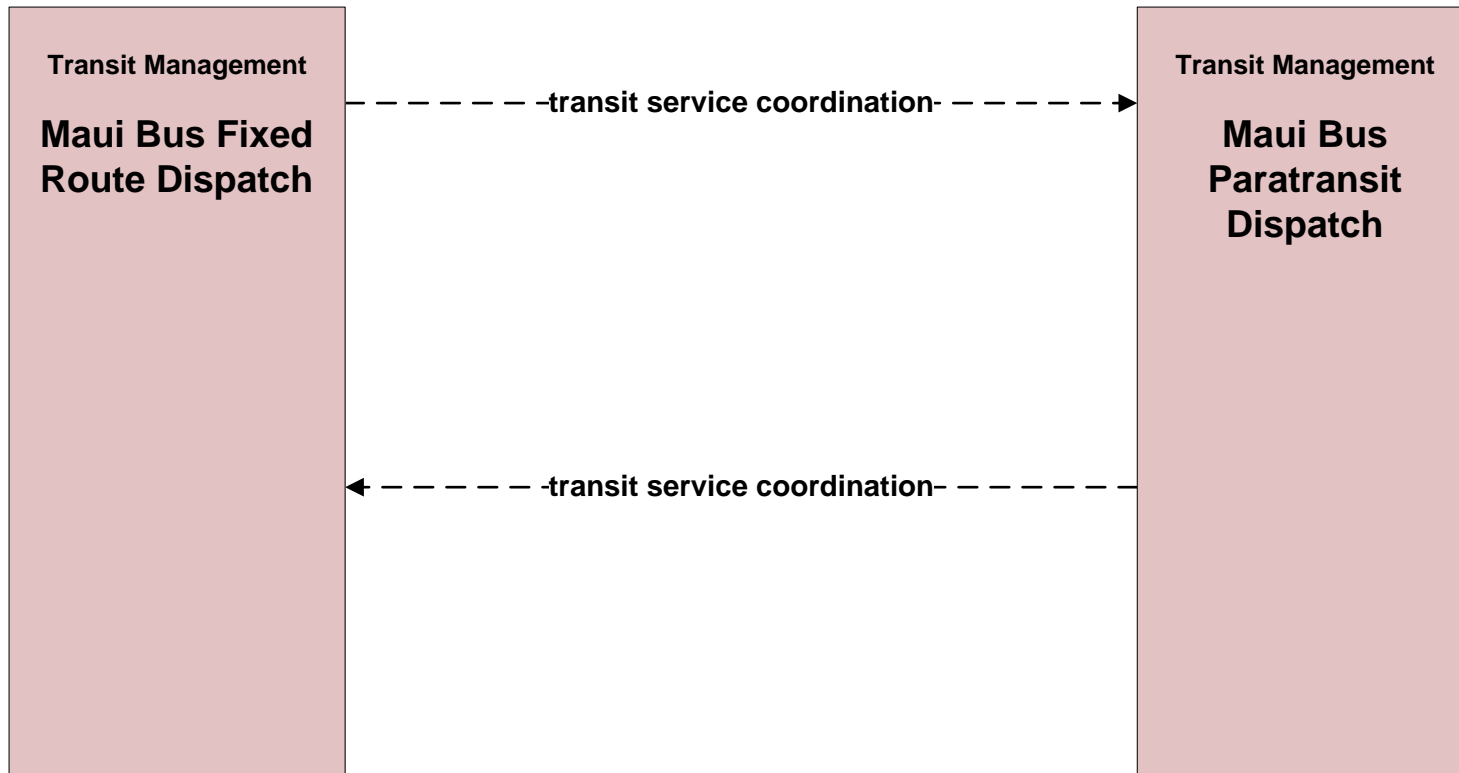
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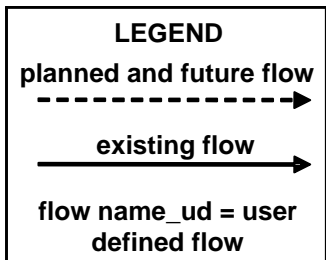
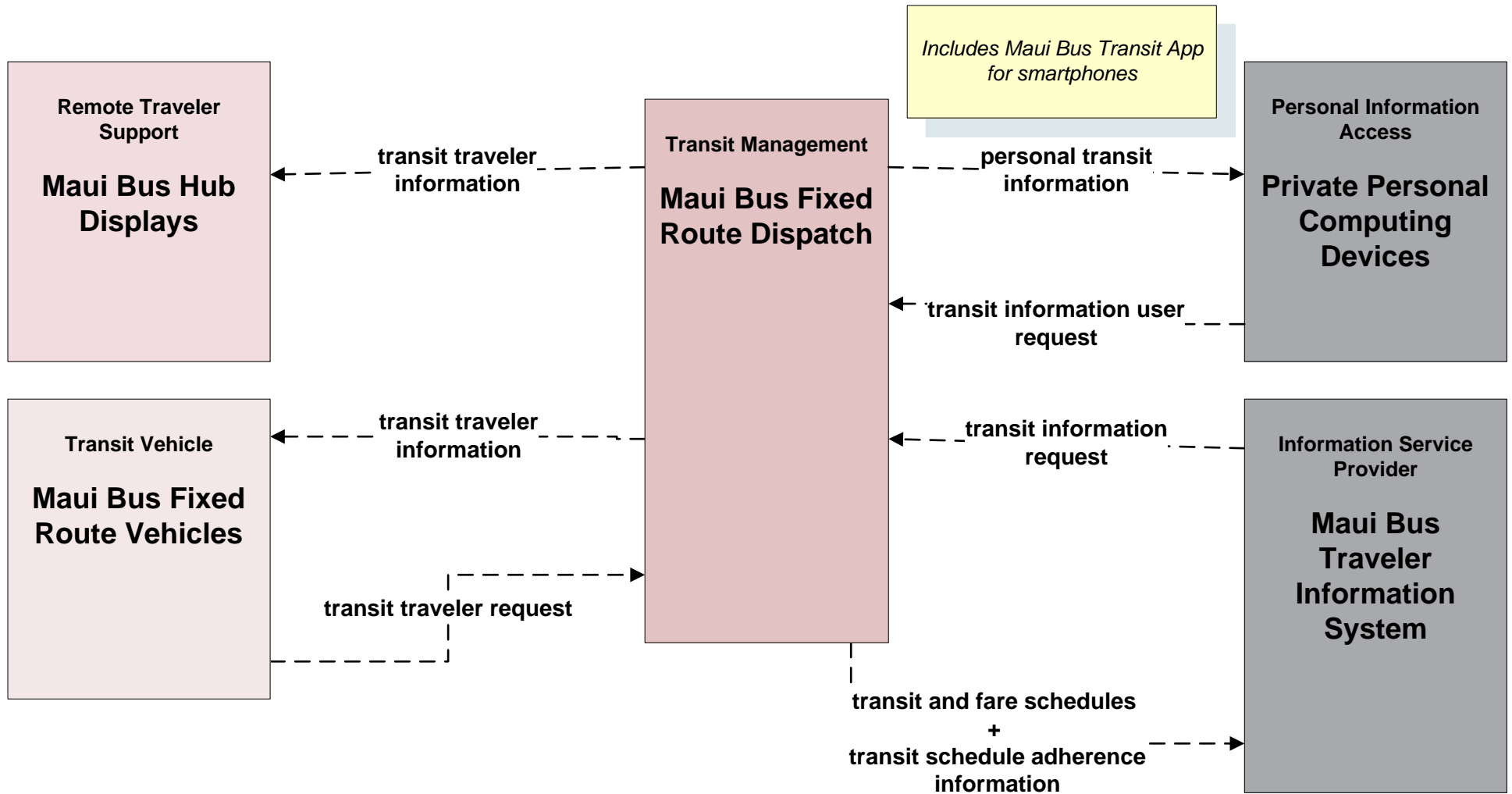
APTS05 - Transit Security Maui Bus



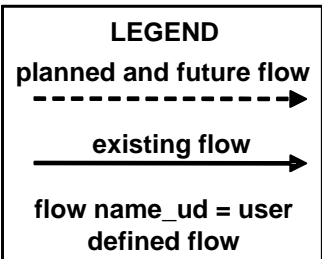
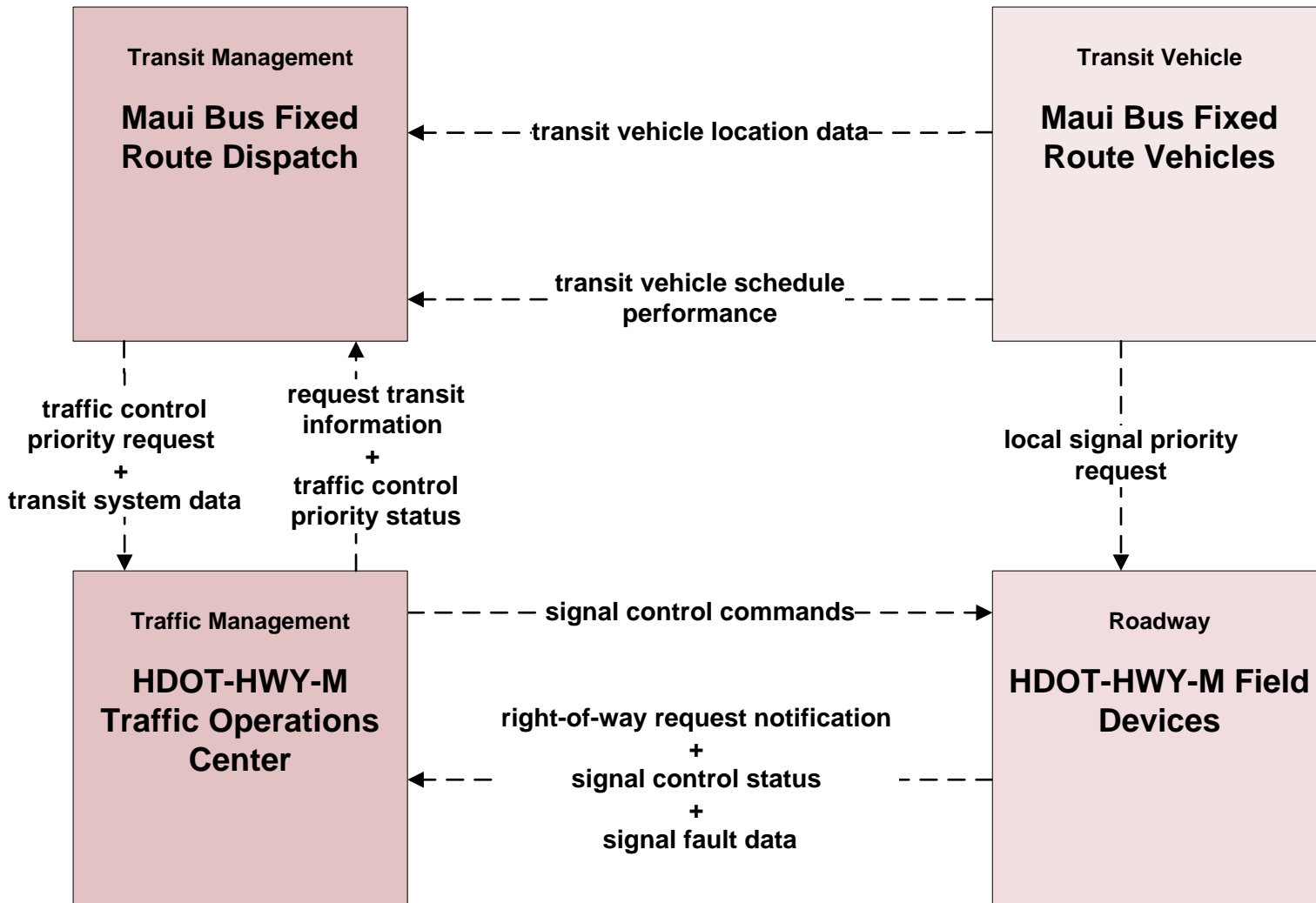
APTS07 - Multi-modal Coordination Maui Bus



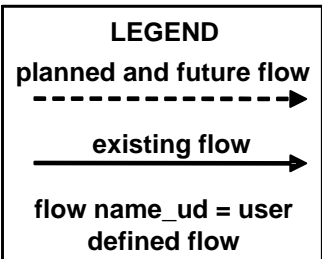
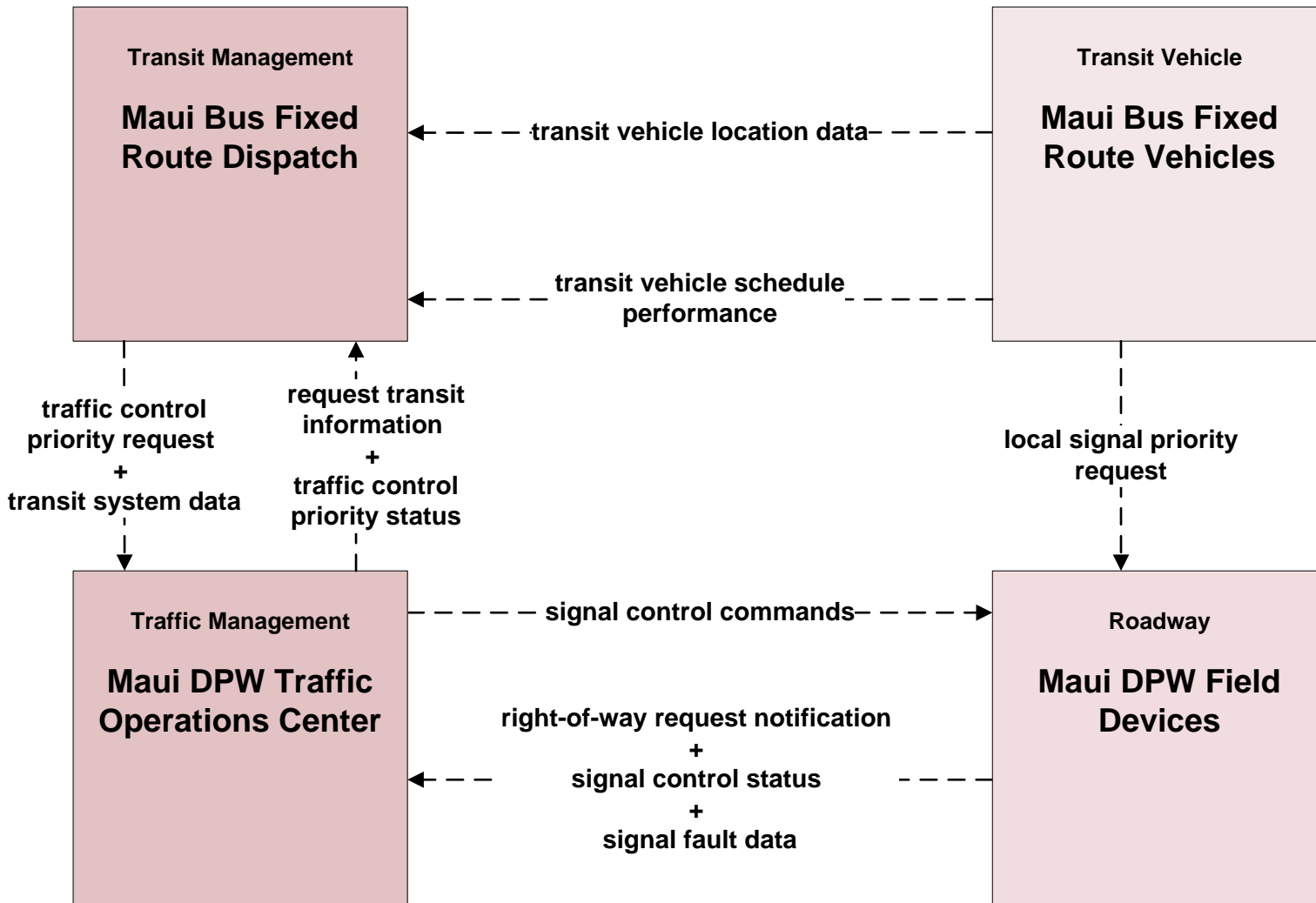
APTS08 - Transit Traveler Information Maui Bus



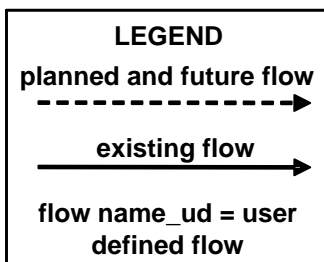
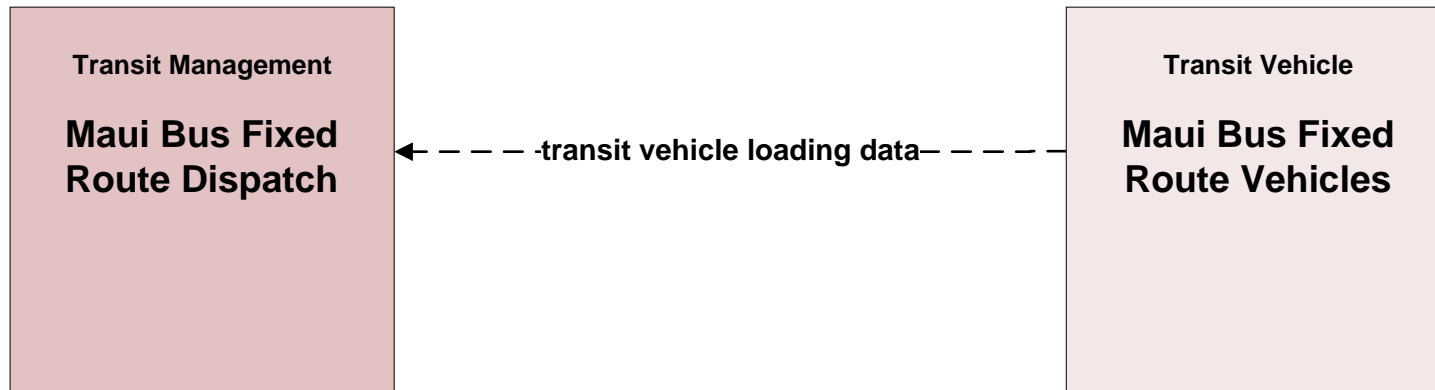
APTS09 – Transit Signal Priority Maui Bus



APTS09 – Transit Signal Priority Maui Bus



**APTS10 – Transit Passenger Counting
Maui Bus**

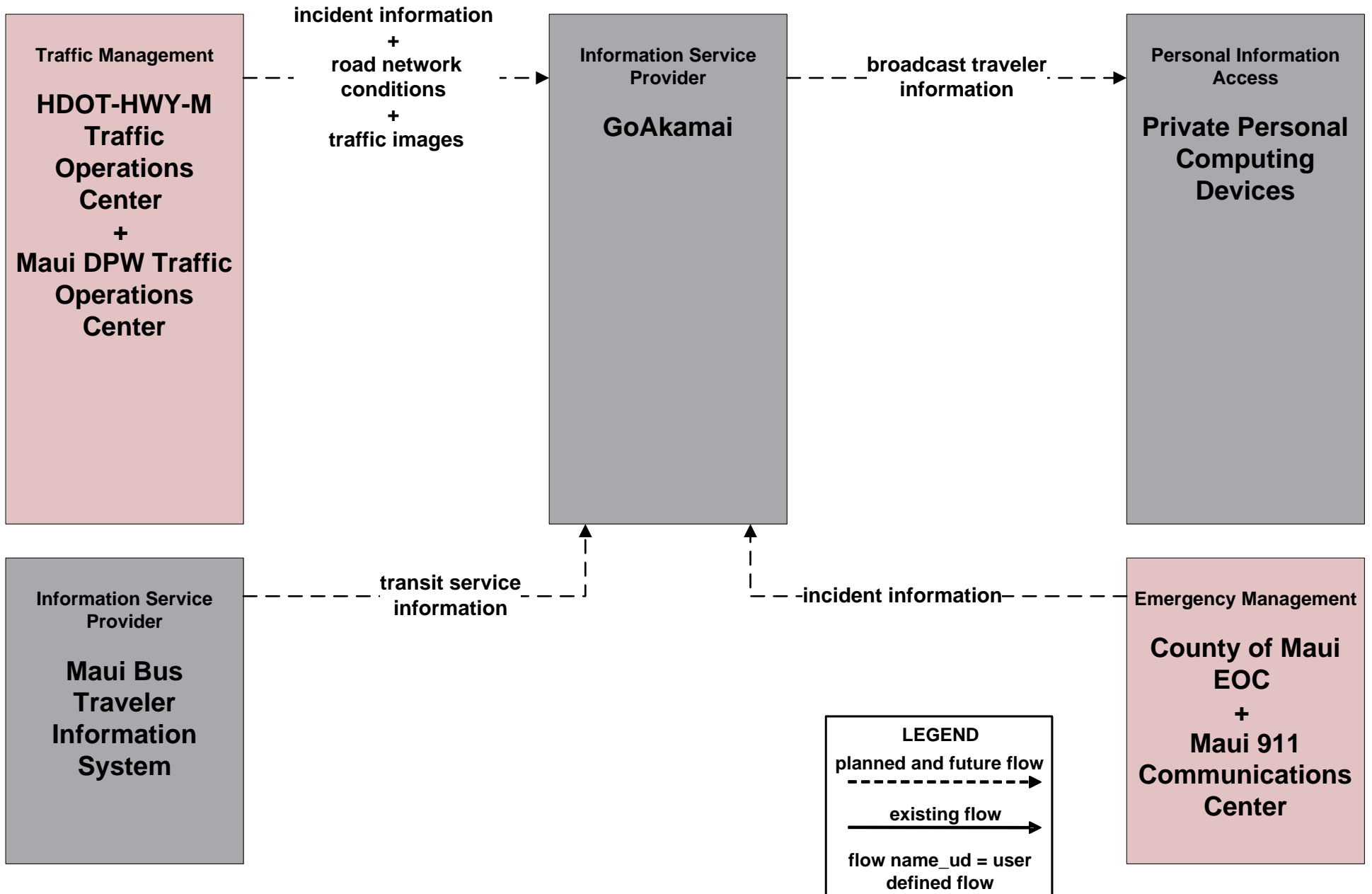


Maui Regional ITS Architecture

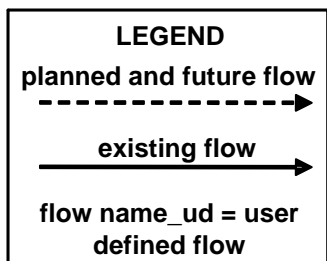
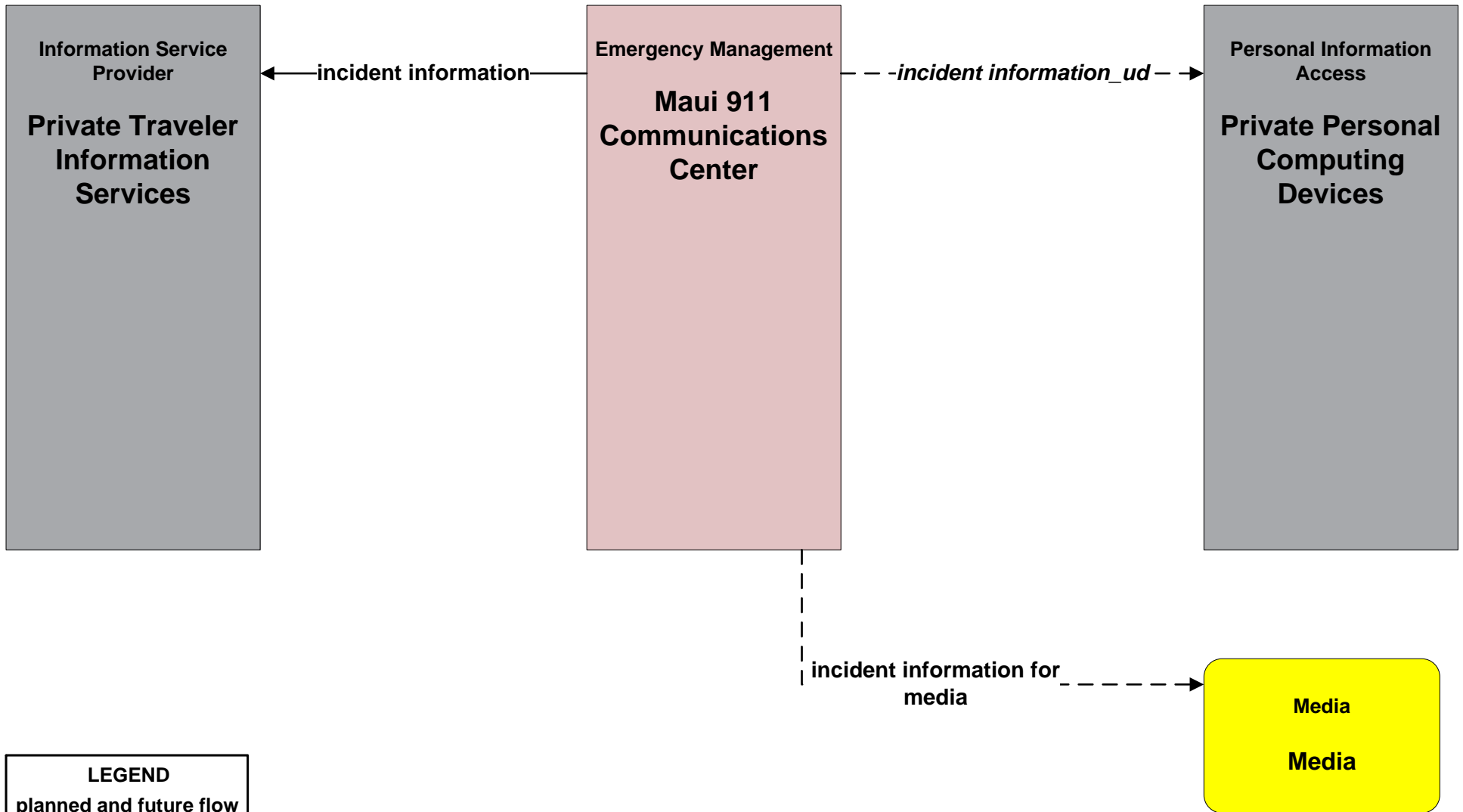
Customized Service Package Diagrams

Advanced Traveler Information Systems (ATIS)

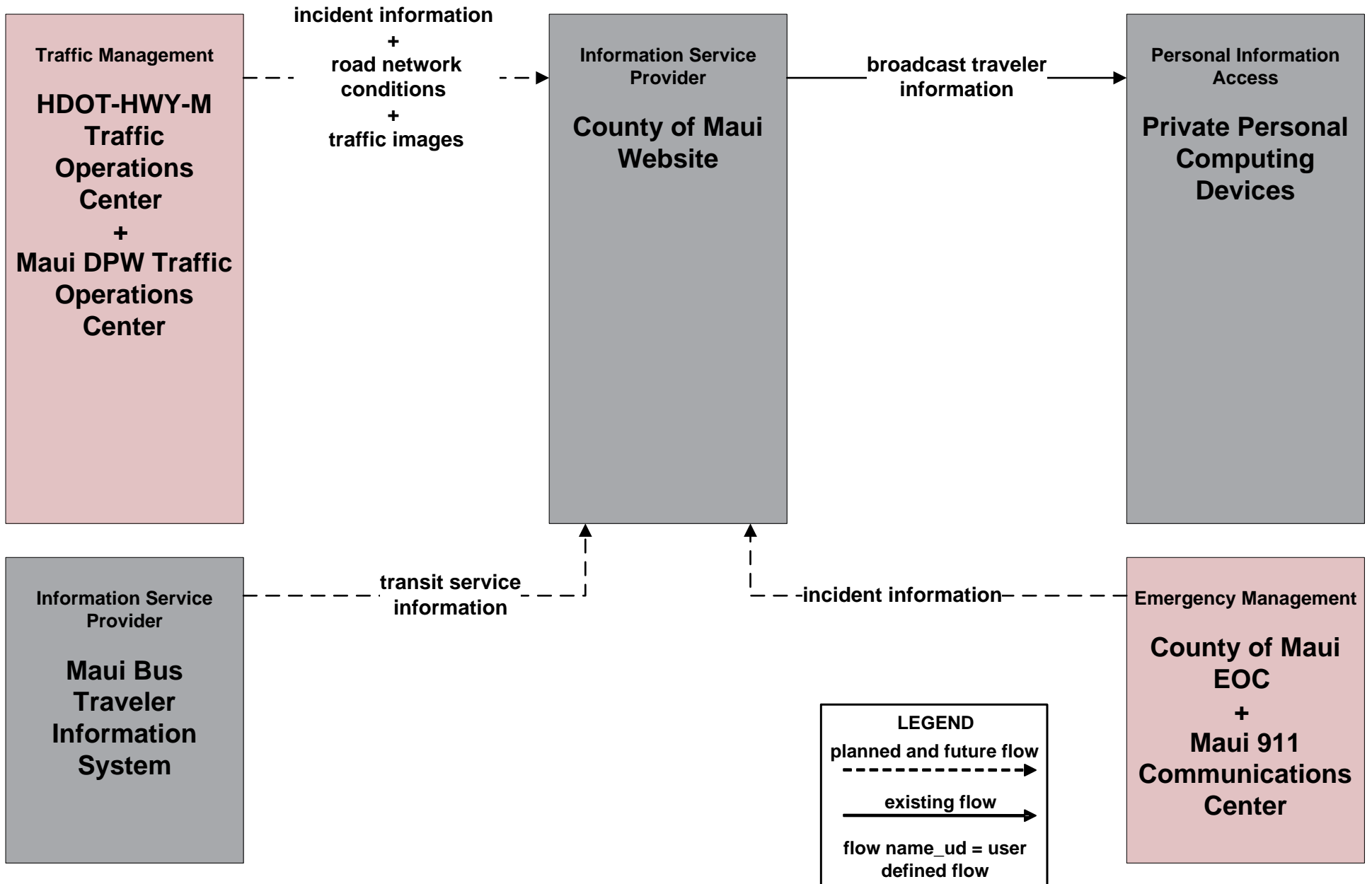
ATIS01 - Broadcast Traveler Information HDOT GoAkamai



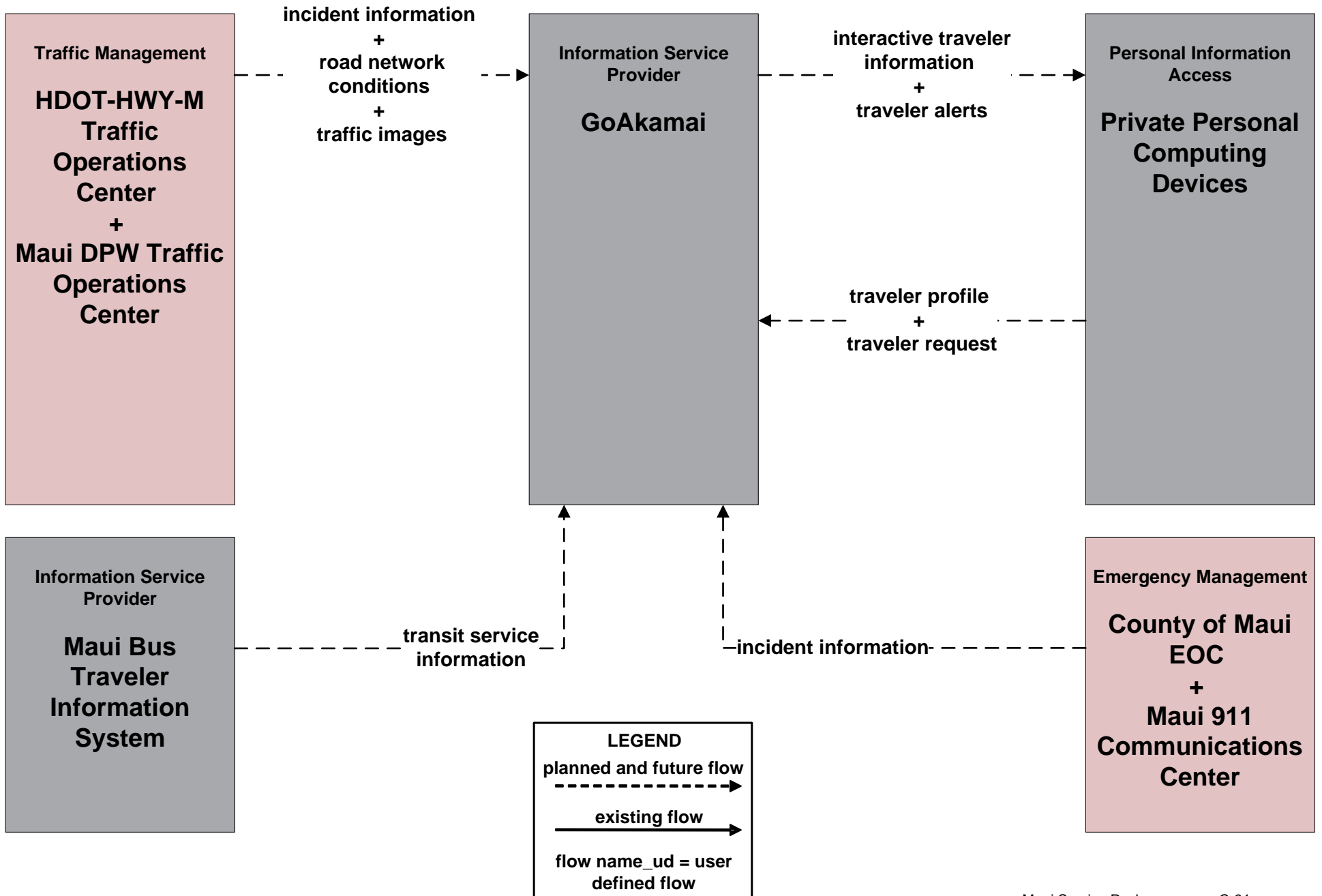
**ATIS01 - Broadcast Traveler Information
Maui Police Broadcast Traveler Information**



ATIS01 - Broadcast Traveler Information County of Maui Website



ATIS02 - Interactive Traveler Information HDOT GoAkamai



ATIS02 - Interactive Traveler Information County of Maui Website

