External Interaction
Other Stakeholder
Road Maintenance System
Planned Event Organiser System
Weather Information System
Information Provider System
Geographic Information provider System
EIF 21 Other Stakeholder
EIF 02 Planned Road Works Event
EIF 05 Event Details
EIF 06 Environmental Information
EIF 07 Traffic information
EIF 20 Digital Maps Updates
PI 01 Inform stakeholders
PI 02 Gather, Identify and Classify Forecast and Planned Events
EIF 03 ForecastCrowd Generating Event
EIF 04 Forecast W
3.2.8 Send Event Details to Others
3.2.9 Send Incident Details to Information Providers
3.4.10 Output Environmental Information
DI 09 Disseminate information
DI 05 Taylor Information
DI 02 Gather Alternative Route Information
DI 01 Gather Traffic information
3.1.2.11 Provide Updated Inter-urban data for Digital Maps
Data storage and retrieval
S0.2 Logs
S0.3 Resource Data
S0.4 TimeSlots Data
S3.9 Forecast and Planned Event Data
S4.0 Network Performance Data
Event Detection and Handling
Supporting Officer
RM 03 Produce Briefing
RM 04 De- Allocate resource
RM 09 Deploy resource
RM 02 (De)- Allocate Time slot
RM 6 Allocate resource
RM 01 Report Status and Capabilities of a Resources
Demand
3.3.6 Analyse Data to Demand Management Scenario
3.3.1 Receive Information on Travel Factors
3.3.11 Simulate Demand Management Scenario
3.3.10 Review Demand Management Scenario Effects
3.3.8 Produce Demand Management Scenario
3.3.7 Demand Management Scenario Implementation
Performance
IDTM 08 Report Network Performance Data
IDTM 06 Gather Network Performance Data
IDTM 07 Compare Network Performance Data
3.1.6.1 Process Road Network Static Data
Scenario's
IDTM 09 Define Scenario's
3.1.2.13.7 Manage Planned Inter-urban Traffic Strategy Change
3.2.7 Provide Event Mitigations to Traffic Management
3.2.6 Assess Events and Devise Responses
Prediction
3.1.6.3 Create Traffic Predictions with Simulation Methods
3.4.4 Predict Environmental Conditions
3.1.2.15 Predict Short & Medium Term Inter-urban Conditions
3.1.6.6 Process Traffic Prediction Results
3.1.6.2 Process Road Traffic Data
3.1.6.4 Process Traffic Prediction Data Store
D3.11 Road Traffic Prediction Data
D3.5 Demand Data
3.3.13 Output Demand Management Information
3.3.9 Manage Demand Management Data Store
D2.2 Emergency Event Data
2.1.2.5 Manage Emergency Event Data
3.2.10 Manage Storage of Incident Data
D3.4 Event Data
D3.12 Event Scenario Data
S3.3 Hazardous Goods, Locations and Rules Data
IDTM 04 Manage Hazardous Goods, Locations and Rules Data
3.1.2.14.1 Provide Inter-urban Road Operator Cmd Interface
Regional Traffic Operator
3.1.2.13.1 Provide Inter-urban Road Operator Mgt Interface
National Traffic Operator
3.2.11 Provide Operator Interface for Incident Management
OI 01 Provide Operator Interface to Cameras
3.4.11 Analyse Environmental Data and Implement Actions
IDTM 02 Decide Hazardous Location
IDTM 01 Decide Hazardous Goods
IDTM 03 Validate Event Information
IDTM 05 Report Event Analysis Data
3.2.13 Classify and Identify Events
3.2.12 Detect Events from Data
2.1.2.3 Plan Emergency Event Intervention
2.1.2.4 Process Emergency Event Progress Reports
2.1.2.1 Identify and Classify Emergencies
EIF 11 Roadside Emergency Contractor CS
EIF 12 Roadside Service CS
D3.3 Environmental Data
3.4.8 Manage Environmental Conditions Data Store
3.1.2.6 Manage Inter-urban Static Road Data
D3.8 Inter-urban Road Static Data
3.1.2.9 Output Inter-urban Traffic Data
D3.14 Inter-urban Traffic Data
3.1.2.13.6 Manage Lanes in the Inter-urban Road Network
3.1.2.13.8 Provide Inter-urban Ramp Metering
3.1.2.13.5 Manage Inter-urban Traffic Commands & Messages
3.1.2.13.4 Manage Inter-urban Road Network Speeds & Headways
3.4.1 Monitor Weather Conditions
3.1.2.16 Manage Inter-urban Traffic Data
3.1.2.14.4 Output Inter-urban Traffic Commands & Messages
PI 04 TIC Interaction
EIF 08 Traffic CS
Traffic Control System
PI 06 Tunnel Management System Interaction
EIF 09 Tunnel CS
Tunnel Control System
PI 05 Bridge Management System Interaction
EIF 10 Bridge CS
Bridge Control System
3.4.7 Provide Environment Management Operator Interface
3.3.5 Provide Demand Management Operator Interface
Road Network Operator
3.1.6.5 Provide Traffic Predictions Operator Interface
Transport Planner
EIF 22 Emergency contact
Emergency Contact System
2.1.9 Provide Emergency Event Operator Interface
Emergency Operator
Roadside Emergency Resources Control System
Emergency Service Control System
3.4.1a Collect Fog Data
RI 01 Control cameras
RI 02 Collect Video Traffic Data
3.1.2.10 Collect Inter-urban Traffic Data
RI 03 Ramp Metering Control
RI 04 Lighting Control
3.1.2.14.2 Output cdu to Drivers using Inter-urban Roads
RI 05 Barrier Control
EIF 19 Fog Data Collection
EIF 18 Camera Control
EIF 17 Camera Images
EIF 16 Traffic Monitoring
EIF 15 Ramp Metering
EIF 14 Lighting
EIF 14 Signs and Signals
EIF 13 Barriers
Fog Data Collecting Equipmnet
Cameras
Traffic Monitoring Equipment
Ramp Metering
Lighting
Signs and Signals
Barriers

Dynamic Traveller (Driver)
Static Traveller
Planned Event Organiser
Weather Information Provider
Geographic Information Provider
Information Provider System
Planned Event Organiser System
Weather Information System
Geographic Information provider System
Officer of Duty
Roadside Traffic Officer
Roadside Emergency Resources Control System
Roadside Emergency Contractor
Emergency Service Operator
Emergency Services Control System
Police
Vehicle Recovery
Ambulance
National Traffic Operator
Emergency Operator
Regional Traffic Operator
CHARM Traffic Centre
Operational Support Officer
Road Network Operator
Transport Planner
Tunnel Control System
Tunnel Operator
Bridge Control System
Bridge Operator
Traffic Control System
Traffic Operator
Road Maintenance Control System
Road Maintenance Operator
Fog Monitoring Equipment
Cameras
Traffic Monitoring Equipment
Ramp Metering
Signs and Signals
Barriers
Lighting