



Alaska Department of Transportation & Public Facilities

Alaska Iways Architecture Update

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Alaska Iways Architecture

- Iways stands for:
 - “I” - Intelligence, integration, internet, and information
 - “ways” – for air, sea, and roadways (need to add rail?)



Alaska Iways Architecture

- ❖ AKIA first completed in 2004
- ❖ AKIA updated in 2008
- ❖ AKIA due for another update



lways.alaska.gov



Under the Alaska Iways Architecture (AKIA), the ADOT&PF is attempting to develop an integrated, statewide Iways effort. The AKIA will serve to coordinate and integrate existing and future Iways projects so that they function as a technologically compatible, complementary system.

The AKIA conforms to the broader [National ITS Architecture](#), which is used as a framework for the design, development and implementation of Intelligent Transportation System technologies.

ADOT&PF updated the AKIA in 2008. If you'd like an introduction to AKIA, please download the Summary Report.

Section	Explanation
Summary Report	Overview of the Alaska Iways Architecture. (12 pgs) (313 KB)
User Needs	The User Needs chapter identifies and documents the needs and desires that would enhance Alaska's transportation system. (207 KB)
User Services	Identifies Intelligent Transportation System (ITS) user services from the National ITS Architecture that could be deployed to meet the transportation user needs in Alaska. (197 KB)
ITS Long Range Vision	Identifies the 7 program areas in which ITS technologies can provide significant benefit. To envision how these technologies come together to satisfy transportation user needs, this chapter concludes with hypothetical but realistic narratives of how users may encounter and benefit from these technologies when traveling in Alaska. (303 KB)
Operational Concept	An ITS Operational Concept is a high-level understanding of how agencies and the various ITS elements they own and operate interconnect to form an integrated "system of subsystems". This chapter provides agencies the ability to easily understand where in the regional context they fit in terms of performing ITS activities. (456 KB)
Physical Architecture	In words and pictures, it describes the functional framework for ADOT&PF operations and interaction with other public agency and private sector partners. (1.3 MB)
Implementation Plan	Defines a set of projects proposed for implementation in Alaska over the next ten years, and provides the criteria used to prioritize these projects. Includes summary of SAFETEA-LU, Section 1201, Real-Time System Management Information Program. (478 KB)
ITS Standards	Defines ITS Standards and provides the applicable ITS standards by ITS elements and architecture flows from the Alaska Iways Architecture. (1.6 MB)

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- » [Iways Calendar](#)
- » [Implementation Plans](#)
- » [Real-Time Systems Information](#)
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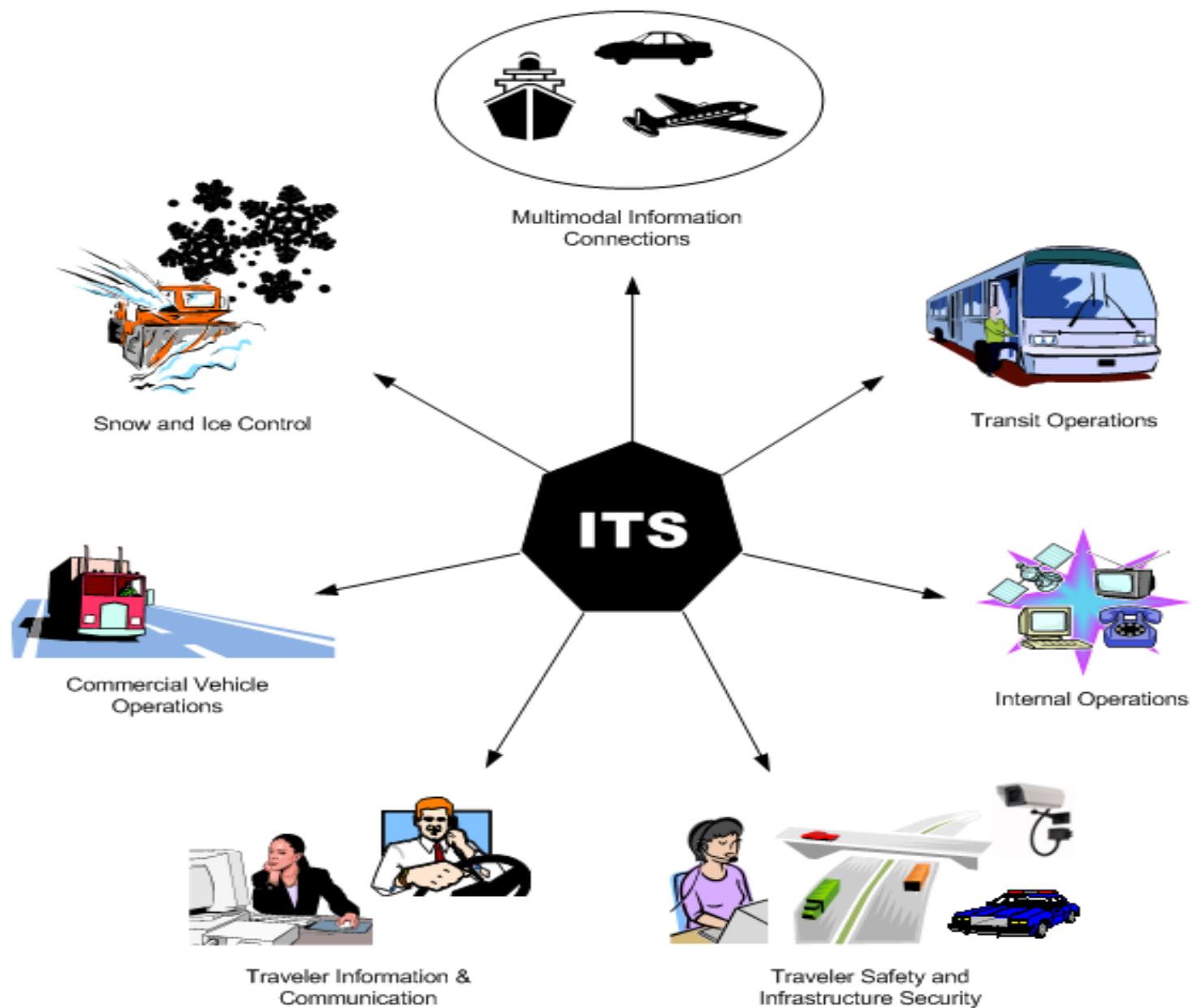


Alaska Iways Architecture

- ❖ AKIA has seven program areas:
 - Snow and Ice Control
 - Multi-Modal Information Connections
 - Traveler Information and Communications
 - Internal Operations
 - Commercial Vehicle Operations
 - Traveler Safety and Infrastructure Security
 - Transit Operations



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Next Update?

- Working on securing funding
- Jan/Feb '13 possible RFP

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Alaska Iways Program

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Iways is working for you to make Alaska's transportation system more efficient, safer and convenient to travel.

Questions about the Iways program or website?
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Alaska DOT&PF Mission: Get Alaska Moving through service and infrastructure

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- » [Iways Projects](#)
- » [Iways Architecture](#)
- » [Iways Calendar](#)
- » [Implementation Plans](#)
- » [Real-Time Systems Information](#)
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Thank you!



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