



Florida Air Cargo

Jim Halley, A.A.E., ACE

Aviation System Manager

FDOT Aviation and Spaceports Office

January 26, 2017

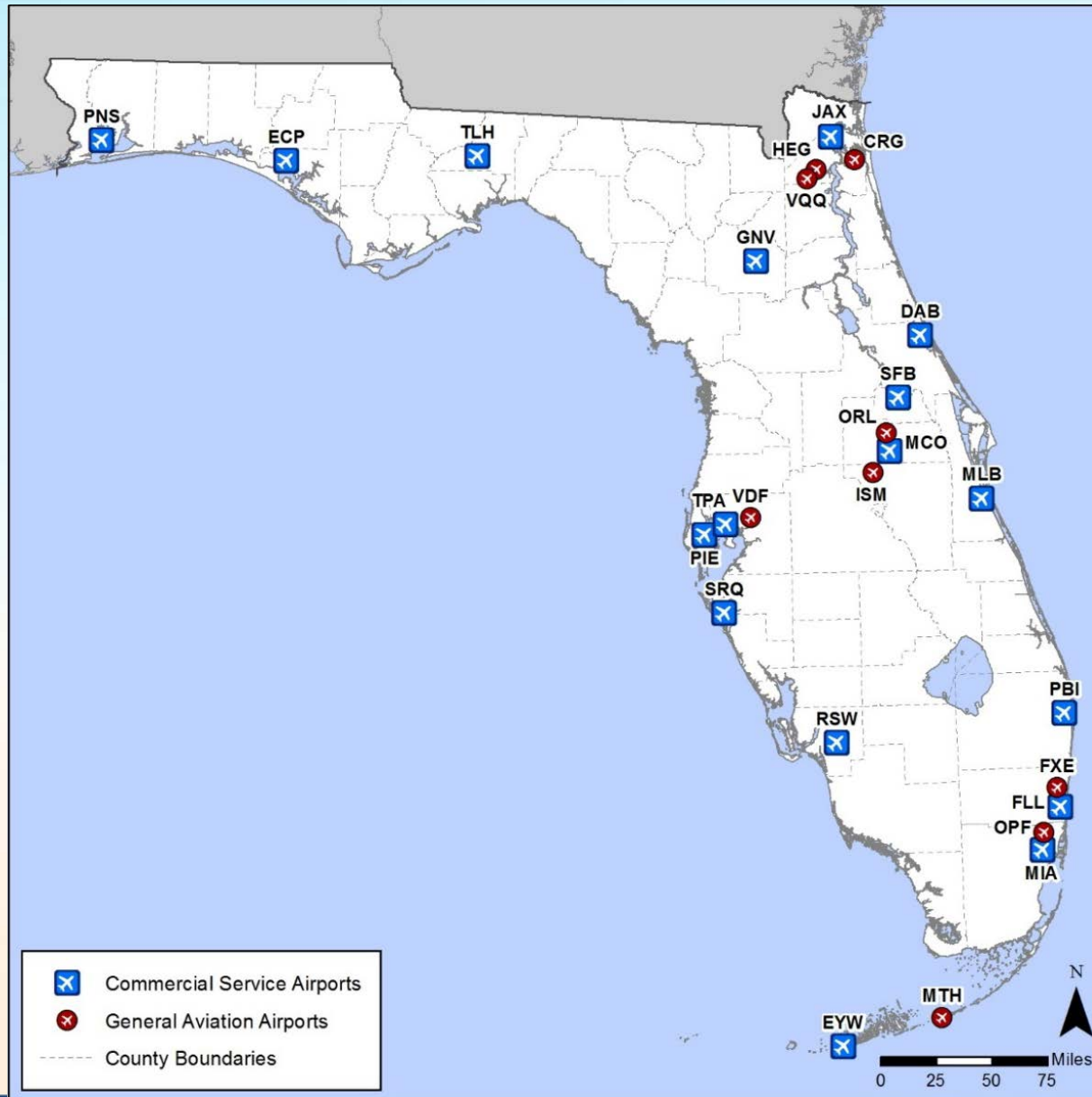
Today's Flight Plan

- ✈ **Overview of air cargo**
- ✈ **Global and domestic air cargo trends**
- ✈ **Air cargo key participants**
- ✈ **Air cargo facilities**
- ✈ **Air cargo planning factors**
- ✈ **FDOT's Air Cargo System Plan**

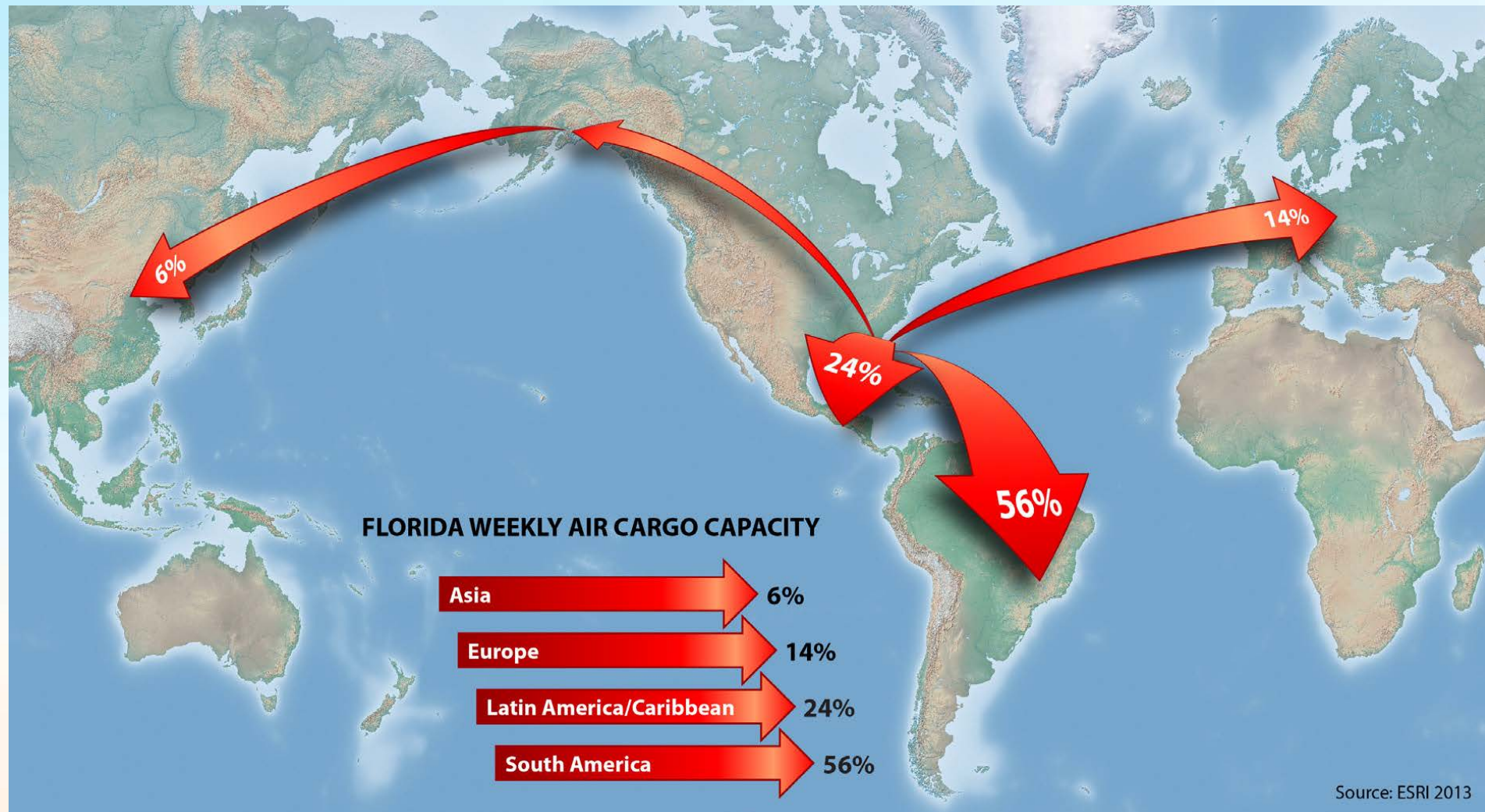
Air Cargo in Florida

- ✈ #1 international cargo airport in the country
- ✈ 4th ranked state for tonnage
- ✈ 11% market share of top 10 air cargo states
- ✈ 36% of Florida's international trade dollars come from air cargo shipments
- ✈ 2/3 of all perishables and 90% of all flowers imported to the U.S. come first through FL
- ✈ Economic impact:
 - ✈ 129,587 jobs
 - ✈ \$5.0 Billion annual payroll
 - ✈ \$10.3 Billion annual economic impact

Florida's Cargo Airports



International Trade Lanes



Air Cargo Overview

✈ Air cargo in Florida:

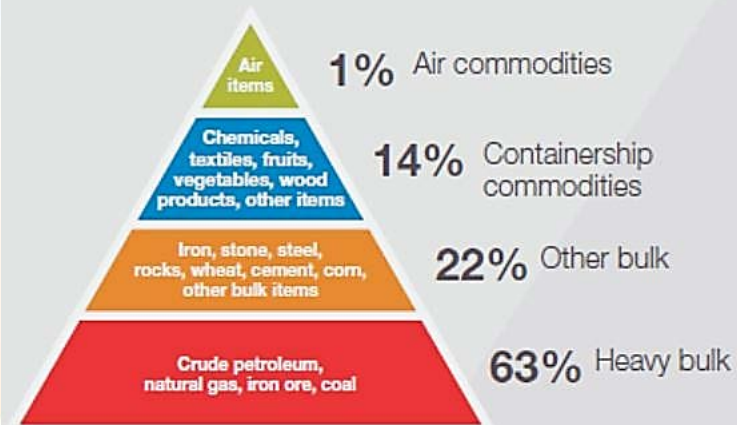
- ✈ Supports trade
- ✈ Promotes connectivity
- ✈ Improves shipment security
- ✈ Enhances industry competitiveness
- ✈ Lightweight, time sensitive, high value

✈ 2014 worldwide statistics:

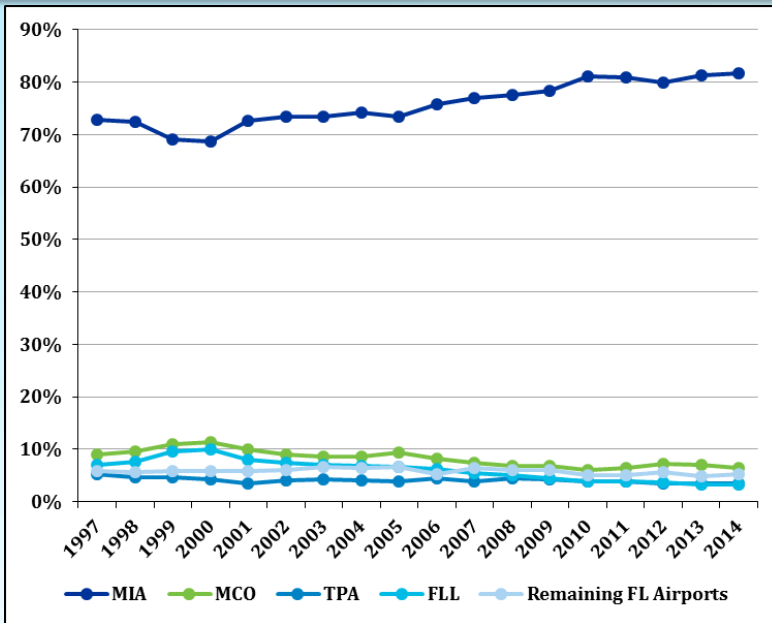
- ✈ 51.3 million metric tons transported
- ✈ <1% of world trade by weight
- ✈ >35% of world trade by value

World trade focused on bulk commodities

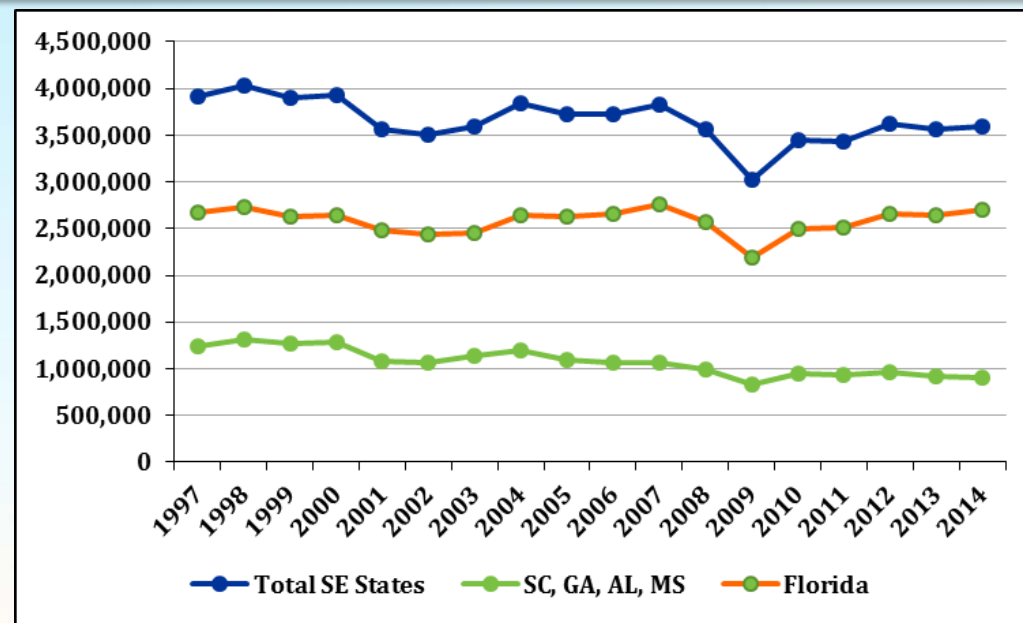
Commodity group classifications



Air Cargo in the U.S. and Florida



Source: Airports Council International – North America, CDM Smith



Source: Airports Council International – North America, CDM Smith

2014 Rank	Airport City/State/Code	Cargo Loaded and Unloaded (Metric Tonnes)
1	Memphis, TN (MEM)	4,258,531
2	Anchorage, AK (ANC)	2,492,754
3	Louisville, KY (SDF)	2,293,231
4	Miami, FL (MIA)	1,998,779
5	Los Angeles, CA (LAX)	1,816,269

Source: Airports Council International – North America

Key Participants in the Air Cargo Industry

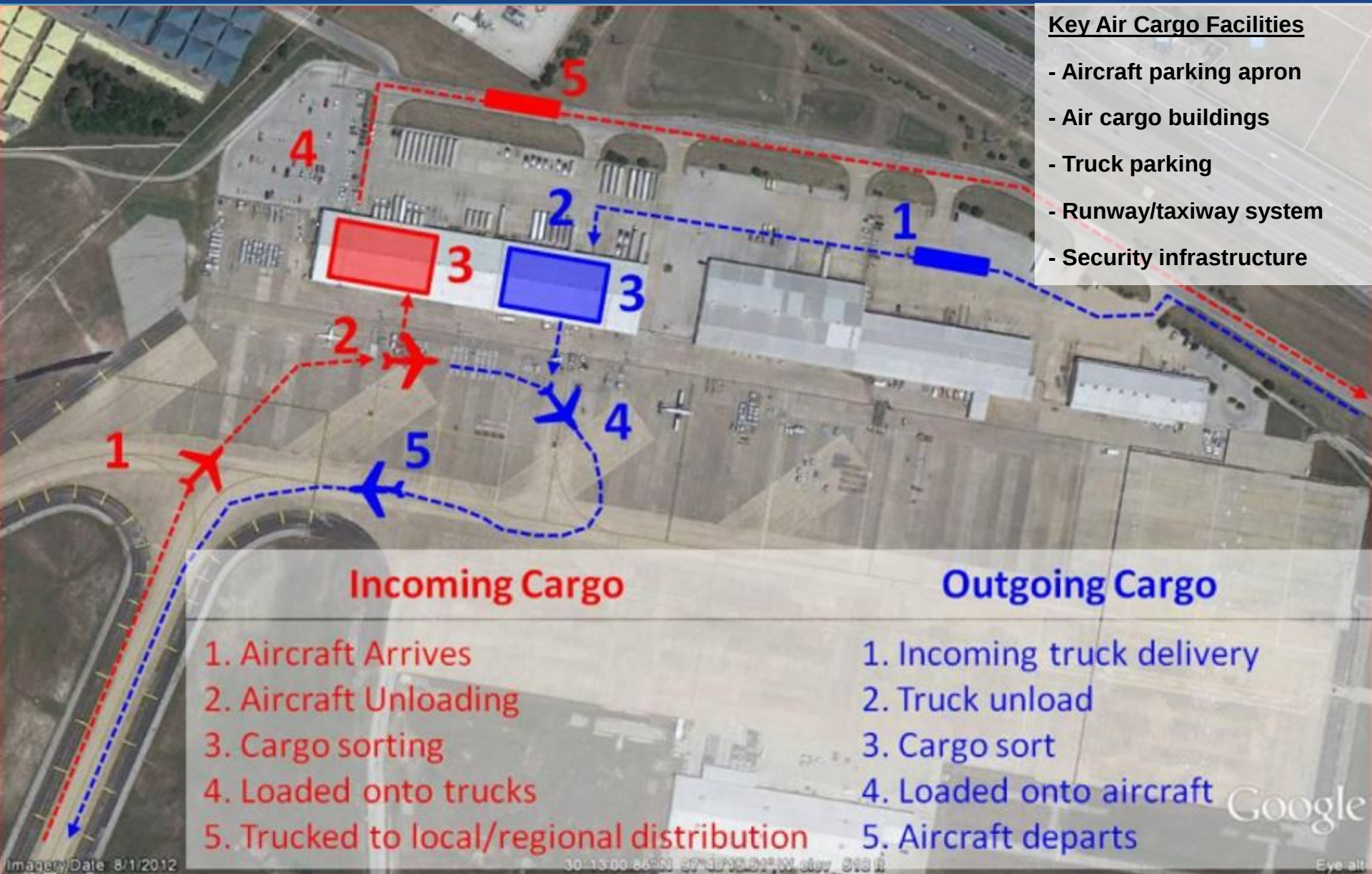
- ✈ Integrated express carriers
- ✈ **Passenger airlines**
- ✈ Combination aircraft carriers
- ✈ Aircraft, Crew, Maintenance, and Insurance (ACMI) charters
- ✈ Heavy lift cargo freighters
- ✈ **Specialized operators**
- ✈ **All-cargo carriers**
- ✈ Air forwarders



Air Cargo Facility Flow

Key Air Cargo Facilities

- Aircraft parking apron
- Air cargo buildings
- Truck parking
- Runway/taxiway system
- Security infrastructure



Air Cargo Planning Factors

✈ Terminal

- ✈ Users
- ✈ Warehouse space
- ✈ Office space
- ✈ Utility infrastructure
- ✈ Security/Federal Inspection Services
- ✈ Maintenance

✈ Landside

- ✈ Truck access
- ✈ Dock access
- ✈ Access security
- ✈ Truck access
- ✈ Truck staging
- ✈ Vehicle parking
- ✈ Truck access
- ✈ Connectivity between terminals
- ✈ Highway access
- ✈ Did I mention **TRUCK ACCESS**?!

FDOT Air Cargo System Plan

- ✈ **Examines a variety of air cargo items**
 - ➔ Industry trends (equipment, facilities, processing)
 - ➔ Air cargo influences (trade flows, what is being shipped, etc.)
 - ➔ FL-specific considerations
- ✈ **Analyzes demand, produces forecasts, develops recommendations and findings**
- ✈ **Currently being updated (now the Florida Air Cargo Study)**
 - ➔ Focus on Florida's role as a gateway to Latin America
 - ➔ Assessing potential routes to Europe and Asia
 - ➔ Complete by the end of March, 2017
- ✈ **Current plan can be found at**
<http://www.fdot.gov/aviation/cargo.shtml>
- ✈ **For more information, contact Mike McClure, Aviation Environmental and Freight Manager, at**
Mike.McClure@dot.state.fl.us



Questions?

Thank You

Jim Halley, A.A.E., ACE
Aviation System Manager
FDOT Aviation and Spaceports Office
(850) 414-4505

Jim.Halley@dot.state.fl.us
www.fdot.gov/aviation
www.cfaspp.com