FAA NextGen
South-Central Florida Airspace Modernization

Airport Brief
Orlando International Airport

Presented by: FAA
Date: March 2019
Why Modernize?

- An efficient air transportation system is good for everyone
Metroplex Projects

- Benefit passengers by creating more direct routes
- Decrease congestion at airports and in the air, helping to reduce delays
- Offer environmental benefits by reducing fuel burn and carbon emissions
- Modernize air traffic procedures to today’s standards
- Ensure that we keep pace with advances in air traffic and air carrier technology
- Improve safety and efficiency by using the precision of satellite-based navigation
- Reduce complexity and communication for air traffic controllers and pilots
- Deconflict operations between airports
- Increase predictability of flight operations
- Make every effort to keep flights over non-residential areas.
- Overlap current routes to the extent possible
Feedback

• Purpose of these workshops is to collect public feedback and comment about the notional designs
• The FAA will consider all comments received
• Safety will always be our first consideration
FAA Notional Designs for Orlando Airports

- 7 New MCO RNAV SIDs
- 7 New MCO RNAV STARs
- 2 New ORL RNAV SIDs
MCO
Notional Standard Instrument Departure (SID) Designs
MCO Orlando International Airport

Area Navigation (RNAV)
Standard Instrument Departures (SIDs)

- DDANY ONE
- EPSCOT ONE
- FATHE ONE
- FSHUN ONE
- JEEMY ONE
- LEWRD ONE
- MZULO ONE

North Flow Full View

- Aircraft departing to the north from MCO will follow these Standard Instrument Departures (SIDs).
- Departures typically will fly along similar paths and altitudes as they do today.
- Air Traffic Controllers (ATC) may direct aircraft away from the procedure to avoid hazardous weather, for operational need, or for safety.
- When PALATKA Military Operating Area is not in use north of MCO, departures may be routed direct MICKI waypoint by ATC.
- Radar track data are a sample from January to May 2018.
Preliminary Designs

South-Central Florida Metroplex

MCO Orlando International Airport

Area Navigation (RNAV)

Standard Instrument Departures (SIDs)

- DDANY ONE
- EPCOT ONE
- FATHE ONE
- FSHUN ONE
- JEEMY ONE
- LEWRD ONE
- MZULO ONE

South Flow Full View

- Aircraft departing to the south from MCO will follow these Standard Instrument Departures (SIDs).
- Departures typically will fly along the same paths and at similar altitudes as they do today.
- Air Traffic Controllers (ATC) may direct aircraft away from the procedure to avoid hazardous weather, for operational need, or for safety.
- When PALATKA Military Operating Area is not in use north of MCO, departures may be routed direct MICKI waypoint by ATC.
- Radar track data are a sample from January to May 2018.
MCO
Notional Standard Terminal Arrival (STAR) Designs
- Aircraft landing to the north at MCO follow Standard Terminal Arrival (STAR) routes.

- Arrival aircraft typically will fly along the same paths and at similar altitudes as they do today.

- Air Traffic Controllers (ATC) will merge the JAFAR and GRNCH STARS into a single stream.

- ATC will merge the SNFLD and ALINA STARS into a single stream.

- ATC will merge the PRICY and JOKRS STARS into a single stream.

- The RIDES STAR is a single stream arrival.

- ATC occasionally will direct aircraft away from procedure weather to avoid bad weather or for safety.

- Radar track data are a sample from January to May 2018.
South-Central Florida Metropolex

MCO Orlando International Airport

Area Navigation (RNAV) Standard Terminal Arrival (STARs)

- ALINA ONE
- GRNCH ONE
- JAFAR ONE
- JOKRS ONE
- PRICY ONE
- RIDES ONE
- SNFLD ONE

South Flow Full View

- Aircraft landing to the South at MCO follow Standard Terminal Arrival (STAR) routes.
- Arrival aircraft typically will fly along the same paths and at similar altitudes as they do today.
- Air Traffic Controllers (ATC) will merge the JAFAR and GRNCH STARs into a single stream.
- ATC will merge the SNFLD and ALINA STARs into a single stream.
- ATC will merge the PRICY and JOKRS STARs into a single stream.
- The RIDES STAR is a single stream arrival.
- ATC may direct aircraft away from the procedure to avoid hazardous weather, for operational need, or for safety.
- Radar track data are a sample from January to May 2018.
Orlando Executive (ORL)
Notional
Standard Instrument Departure (SID)
Designs
East and West Flow Full View

- Aircraft departing from ORL to the East and West follow Standard Departures (SIDs).
- Departing aircraft typically will fly along the same paths and at similar altitudes as they do today.
- Air Traffic Controllers (ATC) may direct aircraft away from the procedure to avoid hazardous weather, for operational need, or for safety.
- Radar track data are a sample from January to May 2018.
Thank You