Figure 4
Runway 33L RNAV Flight Tracks with Altitudes

LEGEND
Runway 33L RNAV SID Noise Model Departure Flight Tracks (Expected Flyability Track)

- Waypoint
- Study Area
- Community within Study Area
- County Boundary
- BOS VOR/DME
- Interstate
- Highway

Post Implementation RNAV Runway 33L Jet Departures (June 2013 – May 2014)

0 - 3,000 ft AGL
3,001 - 6,000 ft AGL
6,001 - 10,000 ft AGL
10,001 - 14,000 ft AGL
14,001+ ft AGL

Note: Procedure applies to RNAV-capable Jet aircraft. Turboprop and non-RNAV capable aircraft use LOGAN SIX Conventional SID.
Figure 5
Runway 33L Flight Track Dispersion Comparison

Legend
- Runway 33L RNAV SID Noise Model Departure Flight Tracks (Expected Flyability Track)
- Post Implementation RNAV Runway 33L Departures (June 2013 – May 2014)
- Pre Implementation LOGAN SIX Runway 33L Departures (June 2012 – June 2013)

Waypoint
- Source: Radar Data: RNAV: One representative day per month, (6/9/13, 7/6/13, 8/5/13, 9/23/13, 10/8/13, 11/8/13, 12/6/13, 1/7/14, 2/14/14, 3/13/14, 4/6/14, 5/14/14)
- Non RNAV: Two representative days per month between November 2012 and March 2013
- RNAV: TARGETS (FAA PBN Integration Office) Office of Geographic Information (MassGIS), ESRI
- *The COLYN and COUSY waypoints switched names in the final procedure design for the Runway 33L RNAV SID

Note: Procedure applies to RNAV-capable Jet aircraft. Turboprop and non-RNAV capable aircraft use LOGAN SIX Conventional SID.

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Source: Radar Data: RNAV. One representative day per month. (6/9/13, 7/6/13, 8/5/13, 9/23/13, 10/8/13, 11/8/13, 12/6/13, 1/7/14, 2/14/14, 3/13/14, 4/6/14, 5/14/14)
Non RNAV. Two representative days per month between November 2012 and March 2013.
RNAV TARGETS (FAA PBN Integration Office)
Office of Geographic Information (MassGIS), ESRI
The COLYN and COUSY waypoints switched names in the final procedure design for the Runway 33L RNAV SID.
Figure 6
Runway 33L Flight Track Dispersion Comparison

LEGEND
Runway 33L RNAV SID Noise Model Departure Flight Tracks (Expected Flyability Track)
Post Implementation RNAV Runway 33L Departures (June 2013 – May 2014)
Pre Implementation LOGAN SIX Runway 33L Departures (June 2012 – June 2013)

Note: Procedure applies to RNAV-capable Jet aircraft. Turboprop and non-RNAV capable aircraft use LOGAN SIX Conventional SID.

Source:
Radar Data: RNAV: One representative day per month, (6/9/13, 7/6/13, 8/5/13, 9/23/13, 10/8/13, 11/8/13, 12/6/13, 1/7/14, 2/14/14, 3/13/14, 4/6/14, 5/14/14)
Non RNAV: Two representative days per month between November 2012 and March 2013
RNAV: TARGETS (FAA PBN Integration Office)
Office of Geographic Information (MassGIS), ESRI

*The COLYN and COUSY waypoints switched names in the final procedure design for the Runway 33L RNAV SID Study Area
Community within Study Area
County Boundary
BOS VOR/DME
Interstate
Highway

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