Introduction

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Topics

• Runway Incursion Investigations
• Data Sources
• Threat Management
• Mitigation Strategies
GMT in 1 second intervals
Airspeed in knots
RA=Radio Altitude in feet
Liftoff=all struts extended

15:07:27z, 166 kts
15:07:28z, 172 kts
15:07:29z, Liftoff, 173 kts
15:07:30z, 178 kts, RA 5'
15:07:31z, 186 kts, RA 8'
15:07:32z, 188 kts, RA 14'
15:07:33z, 191 kts, RA 24'
Data Sources

- Irregular Operations Report
- Aviation Safety Action Programs (ASAP)
- Flight Safety Investigations
- Line Operations Safety Audits (LOSA)
## Threat Management

<table>
<thead>
<tr>
<th>Incursion Contributor</th>
<th>Incursion Recipient</th>
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<tbody>
<tr>
<td>Situational Awareness</td>
<td>Situational Awareness</td>
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<tr>
<td>Communications</td>
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Mitigation Strategies

• Training
• Situational Awareness
• Communications
• Future Strategies
# Mitigation Strategies

## Departure Briefing
- Taxi Plan / Hot Spots / 10-7

## Arrivial Briefing
- Runway Exit / Taxi / Hot Spot
Mitigation Strategies

**Hot Spots**

**YYZ**

**HS 5** Exiting Rwy 06R onto Twy D3 aircraft fail to hold short of and incur on Rwy 06L/24R.

**MIA**

**HS 5** Two runway ends close together with multiple hold lines that are dependent upon runway(s) in use.
Mitigation Strategies

**FREQUENCIES**

**Operations**
- Concourse C-1 & Terminal B: 130.975
- Concourses C-2 & C-3: 130.250
- Flight Operations Station Operations Control (FOSOC): Daily [Hours 0530-2400] Phone: (973) 681-2689

**UAL Ramp Control**
- Terminal C: 123.850
- Terminal B/C: 129.575
- Gates B40/41/B4B: 131.850
- Intl Ramp Control (Port Authority): 122.850

**ARINC (Above FL200)**: 129.400, 129.900
- Hub MX Control: 131.225
- Gate Hold: 132.450
- Supertug: 130.525
- Thunder/IROPS: 129.550
- Deice (see more below)
  - Ball Park: 130.525
  - Terminal C Gate Deice: 131.500
  - Amelia Pad: 130.400
  - 4L Pad & Snowflake: 129.375
  - 22R/Secondary Location: 129.375

**SAFETY ALERT**

Reports indicate a high occurrence of aircraft entering/exiting the ramp boundary without contacting Ramp/Ground. Query Ramp/Ground if unsure of ramp boundary locations.
Future Strategies
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