BFI WINTER OPERATIONS 2013

KING COUNTY INTERNATIONAL AIRPORT/ BOEING FIELD

November 12, 2013
Objectives

- Winter Season 2013 preparation
- Airfield Priorities
- Communication
- Deicing
- Safety Tips
- Equipment
2013 Winter Season Preparation

- Snow and Ice Control Plan (SICP) training currently underway for
  - Airport Operations
  - ARFF
  - Maintenance
  - Air Traffic Control
- Review- Changes and the SICP with tenants
- Initial and recurrent training- ARFF, Maintenance, and Operations
- Winter fleet preparation
Personnel

- Operations, Maintenance, and ARFF responsible for monitoring adverse weather
- At minimum one Airport Duty Manager and one maintenance personnel on site during forecasted winter conditions
- On the onset of adverse weather Operations and Maintenance will revert to 2-12 hour shifts to provide continuous coverage
Personnel

- Air Traffic Control Tower (ATCT)- work with Operations- coordinate closures, report changing conditions via Pilot Braking Action Reports
- Snow Team (Operations and Maintenance)- responsible for clearing snow and ice on contaminated surfaces
- Airport Operations- disseminating Notams, updating tenants on status of airport runways, taxiways, and aprons.
Winter Season 2011 (weather facts)

- No snow for the year of 2012
- 2013 Winter season
Airfield Clearing Priorities

- Priority 1 - RWY 13R/31L, TWY int A1, A9, B1, B5, B10 & Taxilane A- (Airlift Northwest), ARFF access and Emergency Gates
- Priority 2 - TWY int A4, B3, TWY A & B
- Priority 3 - RWY 13L/31R, Terminal ramp, service road, special use pavement and all other TWY intersections

*Snow removal addressed by priority beginning with Priority 1*
Other Priorities

- Tenants responsibility, Fixed based Operators (FBO’s), and other leaseholders for removal of snow
- Coordination of snow /ice removal will made with Airport Operations when required
Communication

ARFF- Aircraft Rescue and Fire Fighting
WX - National Weather & Services & DTN
OPS- Airport Operations
ATCT – Air Traffic Control Tower
MX- Maintenance
SN Desk
TENANTS

11/12/2013
Snow Control Center/ Snow Desk

- Located in the Emergency Operations Center (EOC), 2nd floor of the main terminal in Airport Administration.
- Serves as a gateway of communication between the tenants and snow team.
- Mobile snow desk during light events.
- Duties include:
  - Issue and disseminate Notams.
  - Updated Field Condition Reports.
  - Management Notification.
  - Tenant Request and inquiries.
  - Current and forecasted weather.
  - Provide timely and accurate information to tenants via telephone or website.
Aircraft Deicing

- Gates 3-6 public use deicing
- Other approved deicing areas on the AOA are included on the map
- Contact Airport Operations (206.296.7334) **PRIOR** to deicing
- Airport’s deicing pad is active between the months of November and February
Deicing Locations

[Diagram showing deicing locations at an airport]

Legend:
- KCIA Public
- Tenant-Controlled

King County International Airport Flight Field

Date: 11/06/2013
Safety Tips

- Vehicular speed while operating on the service road
- Ramp Safety around aircraft/push back of aircraft
- Obscured signs and markings
- Reduced visibility during blizzard like conditions
- Reduced visibility from snow equipment
Runway Closures

- Any contaminant (Snow, Slush, Ice,) on the Runway once accumulation begins of greater than 1/8 in would require Snow removal to occur
- Occasional Runway 13R/31L closures would need to occur to clear contaminants off the Runway and work on Priority 1 area.
- Operations closely coordinates with ATCT to ensure this is done. In addition to this, they coordinate with SEA to ensure that the closures are not simultaneous
- Clearing times vary depending on the contaminant on the Runway
Pilot Braking Action Reports

- Air Traffic passes pilot Braking Action reports during snow events to Airport Operations personnel
- Information given could denote an upward or downward trend to the airfield surfaces
  - BA Good
  - BA Fair
  - BA Poor
  - BA Nil
Upcoming Training

- Tabletop Exercise in November - Maintenance and Operations
- Runway Friction Tester Training - ARFF and Operations - November
- Winter Briefings - Air Traffic and Airport Operations - December
- Post Storm meetings - as needed with ATCT and Airport Operations, and Maintenance
- Post Season meetings - as needed with the Snow and Ice Control Committee (ATCT, Maintenance, Airport Operations and/or tenants)
Fleet Practice

Dry Runs:

- Joint training with Maintenance and Airport Operations with Winter Fleet
- Working on formation, tactical improvement
- Communication between fleet, snow desk
- Occur once to twice per week beginning late November through January
- No impact to traffic
Equipment

2012 acquisition

- Runway broom
- Runway blower
- Bulk storage deicing tank
Equipment

- KCIA has on hand for the 2012 winter season
  - 18000 gallons of Liquid Deicer- E36
  - 4 plows
  - 2 blowers
  - 1 grader
  - 1 runway deicer truck- 1100 gallon truck
  - Solid Deicer Naac- 6600 lbs
  - 1 Vericom Decelerometer- Runway Friction Tester (RFT) Vericom 4000
CONTACT INFO

- Airport Operations- 206.296.7334
- Airport Administration- 206.296.7380
- Environmental-206.296.7597
- Airport Police- 206.296.7392
- SICP data- 206.296.7458 or michele.mwangemi@kingcounty.gov