



De-Icing

AFC June 2016 Meeting – Portland, OR

De-Icing assignments



- Increase in de-icing assignments in recent years
- In 2015-2016 ASRI assigned de-icing frequencies:
 - 78 airports
 - 59 different frequencies
 - 26 different users
- Airports with most de-icing assignments
 - ATL 18 frequencies
 - SLC 19 frequencies
 - MSP 12 frequencies
 - DTW 10 frequencies

Compared to Europe



- Maybe lessons to be learned by comparing ASRI to European de-icing assignments
- Reviewed about 10 major airports in Europe for their de-icing assignments
 - All de-icing assignments are ATC spectrum. No AOC de-icing frequencies
 - Use of 8.33 kHz channels for de-icing
 - Shared use of frequencies at more than one de-icing pad

Sample of European airports



- CDG (Charles de Gaulle Airport) 13 frequencies

De-icing pads NW1 and NE1 : 121.560 MHz *

De-icing pads NW2 and NE2 : 121.990 MHz *

De-icing pads NW3 and NE3 : 129.480 MHz *

De-icing pads NW4 and NE4 : 121.710 MHz *

De-icing pads SW1 and SE2 : 121.590 MHz *

De-icing pads SW2 and SE3 : 121.860 MHz *

De-icing pads SW3 and SE4 : 129.490 MHz *

De-icing pads SW4 and SE1 : 121.790 MHz *

De-icing pad ROMEO North : 121.690 MHz

De-icing pad ROMEO South : 121.830 MHz

De-icing pad JULIETT North : 135.705 MHz

De-icing pad JULIETT South : 121.630 MHz

De-icing at stand : 121.660 MHz

*Sharing same frequency at two locations on airport

Sample of European Airports



- LEJ Leipzig Airport Germany (11 frequencies)

<u>De-icing Pad</u>	<u>VHF – frequency</u>	<u>Call name</u>
DP 2	121.900	LEJ-Deicing 6
DP 4	121.900	LEJ-Deicing 6
DP 3	121.600	LEJ-Deicing
DP 6	121.980	LEJ-Deicing 7
DP 7	121.730	LEJ-Deicing 8
DP 8	121.930	LEJ-Deicing 9
DP 9	121.700	LEJ-Deicing 10
DPZ1.1	121.650	LEJ-Deicing 1
DPZ1.2	121.650	LEJ-Deicing 1
DPZ2.1	121.750	LEJ-Deicing 2
DPZ2.2	121.750	LEJ-Deicing 2
DPZ3.1	121.850	LEJ-Deicing 3
DPZ3.2	121.850	LEJ-Deicing 3
DPZ4.1	121.950	LEJ-Deicing 4
DPZ4.2	121.950	LEJ-Deicing 4
DPZ4.3	121.950	LEJ-Deicing 4
DPZ5.1	121.630	LEJ-Deicing 5

} only DHL APRON4

Again, shared use of frequencies
two de-icing pads

Summary of comparison



- European airports have a similar number of de-icing assignments at their major airports
 - Use of ATC frequencies for de-icing
- Use of 8.33 channel assignments not yet practical in the U.S.
- Seek shared use of frequencies at more than one de-icing pad at the same airport?



Questions?