



AFC Manual Review – Summary Presentation

AFC Winter 2016 – Albuquerque, NM

Background



- Comprehensive review of AFC Manual
 - New technologies/ways of working
 - Relevance of existing policies
 - Policy to meet how we actually operate
 - Eliminate redundancy and over complexity
 - Still need to maintain FCC compliance
- AFC Manual forms core of committee work

Review Timelines



- Mar 2016 AFC Meeting
 - Update on changes
 - Propose new concepts for discussion
 - ASRI to review for June Meeting
- Jun 2016 AFC Meeting
 - Review and approve sections
- Oct 2016 AFC Meeting
 - Review and approve outstanding sections
 - ASRI BoD ratify changes

Sections Reviewed

- Organization and administration
- Aeronautical industry operation VHF policy
- VHF installation standards
- HF policy
- Member associations
- Industry organizations
- Federal and international agencies
- Frequency allocations, coordination and assignments
- Glossary
- AFC recommendations and resolutions
- Annex (past chairman, ASRI BoD, members)

Organization and Administration



- Text clean up
- Membership categories
 - Full
 - Associate
 - Observers
- AFC member nominations
- Use of contractors
- Meeting types
- Inactive status
- Voting process
- Confidential nature of AFC business

VHF Policy

- More detail on FCC regulations and licensing
- Operating height classification

Operating height classification



- Current operating altitudes and separation distance

		RT	HO	LL	ML	HL	SHL
	Height	50	2000	15000	24000	45000	70000
RT	50	35	125	320	400	540	670
HO	2000	125	220	410	490	630	760
LL	15000	320	410	605	680	825	950
ML	24000	400	490	680	760	905	1030
HL	45000	540	630	825	905	1045	1175
SHL	70000	670	760	950	1030	1175	1300

- Option to reduce separation for more efficient packing
 - Add space plane capability up to maximum limit

Operating height classification



		RT	HO	LL	ML	HL	SHL	EHL
	Height	50	2000	10000	20000	40000	60000	300000
RT	50	35	125	265	365	510	620	1365
HO	2000	125	220	355	460	600	715	1455
LL	10000	265	355	490	595	740	850	1595
ML	20000	365	460	595	695	840	950	1695
HL	40000	510	600	740	840	985	1095	1840
SHL	60000	620	715	850	950	1095	1205	1950
EHL	300000	1365	1455	1595	1695	1840	1950	2695

	RT		HO		LL		ML		HL		SHL	
RT	0	0.0%	0	0.0%	55	17.2%	35	8.8%	30	5.6%	50	7.5%
HO	0	0.0%	0	0.0%	55	13.4%	30	6.1%	30	4.8%	45	5.9%
LL	55	17.2%	55	13.4%	115	19.0%	85	12.5%	85	10.3%	100	10.5%
ML	35	8.8%	30	6.1%	85	12.5%	65	8.6%	65	7.2%	80	7.8%
HL	30	5.6%	30	4.8%	85	10.3%	65	7.2%	60	5.7%	80	6.8%
SHL	50	7.5%	45	5.9%	100	10.5%	80	7.8%	80	6.8%	95	7.3%

VHF Policy (cont)



- More detail on FCC regulations and licensing
- Operating height classification review
- Added ASRI & FCC station inspection policies
- Added interference reporting
- VHF channel application justifications formula
- Deletion of congested vs. uncongested requirements
- Added Ground Station Activity Reporting System
- Modified VDLM2 channel justification process and plan

De-Icing assignments



Update for 2014-2015 Season



2009/2010 Season Stats



- We assigned a total of 133 de-icing assignments.
- These were assigned to 30 different airports.
- 3 assignments went to FBO's.
- 8 assignments went to de-icing companies.
- 1 assignment went to a city or airport authority.
- 121 assignments went to airlines.
- Only 2 airports had more than 3 assignments, MSP had 7 and ORD had 4.

2015/2016 Season Stats



- We assigned a total of 220 de-icing assignments.
- These were assigned to 121 different airports.
- 8 assignments went to FBO's.
- 32 assignments went to de-icing companies.
- 21 assignments went to cities or airport authorities.
- 159 assignments went to the airlines.
- 20 airports had more than 3 assignments.

Airports With the Most De-Icing assignments 2014/2015



- Salt Lake City, SLC - 19
- Atlanta, ATL - 18
- Minneapolis, MSP – 12
- Memphis, MEM – 12
- Chicago, ORD – 11
- Detroit, DTW – 10
- Louisville, SDF – 9
- Indianapolis, IND – 9
- Covington, CVG – 7
- Charlotte, CLT – 6
- Pittsburgh, PIT – 6

Future de-icing



- Need to understand the customers requirements and policies/Airlines to provide de-icing policies.
- 129.525 MHz is no longer be available for de-icing.
- 129.175 MHz may be available in most areas as a replacement.
- There are no guarantees the same frequencies will be available season to season.

Other Sections



- VHF installation standards
- HF policy
- Member associations
- Related industry organizations
- Federal and international agencies
- Frequency Allocations, Coordination and Assignments
- Glossary, Two Letter State and Territory Abbreviations, Terms and Definitions