



VDLM2 Implementation Plan

AFC June 2016 Meeting

Scope

- Review current progress
- Identify outstanding work
- Future planning

Current Progress

- Joint industry proposal to implement a method with ASRI, CSPs and Harris.
 - Assign new VDLM2 channels to meet DataComm, while minimizing impact on existing users
- Planned for 4 phase process from initiation on 1 Jul 2014
 1. Reorganize lower band AES voice users
 2. Migrate affected voice users from upper AES band
 3. Migrate upper band ACARS networks
 - a) Secondary ACARS networks (3)
 - b) SITA ACARS base frequency*
 4. Assign new VDLM2 frequencies
 - a) Upper 136 MHz band
 - b) Lower 136 MHz band

Timelines



Frequencies	2014	2015		2016		2017	
(MHz)	07/01	01/01	07/01	01/01	07/01	01/01	07/01
136.550-136.950	Clearing Voice*	All Adjacent Channels Cleared					
136.575	ACARS		ACARS Migration**	Cleared			
131.650	Clearing Voice	Cleared	↪	ACARS**			
136.650	ACARS		ACARS Migration	VDLM2 RC			
129.350	Clearing Voice	Cleared	↪	ACARS			
136.800	ACARS		ACARS Migration	VDLM2 SITA			
129.525	Clearing De-icing Usage		↪	ACARS			
136.850	ACARS			ACARS Migration**			Cleared
131.725	Clearing Voice	Cleared		↪		ACARS**	

*Some voice users will be moved to 136.500 and 136.525 MHz.

**Date and actions subject to change dependent on VDLM2 traffic requirements.

VDLM2 Channel Plan



Frequency (MHz)	Allocation	Notes
136.975	Common Signaling Channel	Already assigned nationally to VDLM2
136.950	Guard Channel	
136.925	Guard Channel	
136.900	Guard Channel	
136.875	Guard Channel	
136.850	Guard Channel	
136.825	Guard Channel	
136.800	VDLM2 on-site SITA	Primarily ground traffic - Planned for national US deployment
136.775	Guard Channel	
136.750	VDLM2 off-site SITA	Primarily enroute traffic - Planned for national US deployment
136.725	Guard Channel	
136.700	Guard Channel	
136.675	Guard Channel	
136.650	VDLM2 on-site RC	Primarily ground traffic - Planned for national US deployment
136.625	Guard Channel	
136.600	VDLM2 off-site RC	Primarily enroute traffic - Planned for national US deployment
136.575	Guard Channel	
136.550	Guard Channel	
136.525	ASRI voice users	Select US areas only
136.500	ASRI voice users	Select US areas only

Frequency (MHz)	Allocation	Notes
136.475	<i>FAA voice users</i>	<i>Select US areas</i>
136.450	<i>FAA voice users</i>	<i>Select US areas</i>
136.425	<i>Guard Channel</i>	
136.400	<i>Guard Channel</i>	
136.375	<i>Guard Channel</i>	
136.350	<i>VDLM2 off-site SITA</i>	<i>Primarily enroute traffic - Planned for national US deployment</i>
136.325	<i>Guard Channel</i>	
136.300	<i>VDLM2 on-site SITA</i>	<i>Primarily ground traffic - Planned for national US deployment</i>
136.275	<i>Guard Channel</i>	
136.250	<i>Guard Channel</i>	
136.225	<i>Guard Channel</i>	
136.200	<i>Guard Channel</i>	
136.175	<i>Guard Channel</i>	
136.150	<i>VDLM2 off-site RC</i>	<i>Primarily enroute traffic - Planned for national US deployment</i>
136.125	<i>Guard Channel</i>	
136.100	<i>VDLM2 on-site RC</i>	<i>Primarily ground traffic - Planned for national US deployment</i>
136.075	<i>Guard Channel</i>	
136.050	<i>Guard Channel</i>	
136.025	<i>Guard Channel</i>	
136.000	<i>Guard Channel</i>	

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Outstanding actions



- FAA concerns over licensing of 136 MHz band
- VDLM2 channel plan for lower 136 band
- SITA adjacent frequency implementation for 131.725 MHz
- Siting coordination for ground/enroute
- Canadian coordination for VDLM2 and ACARS



Questions?