



DCS Technical Team Initial Meeting

7 January 2015

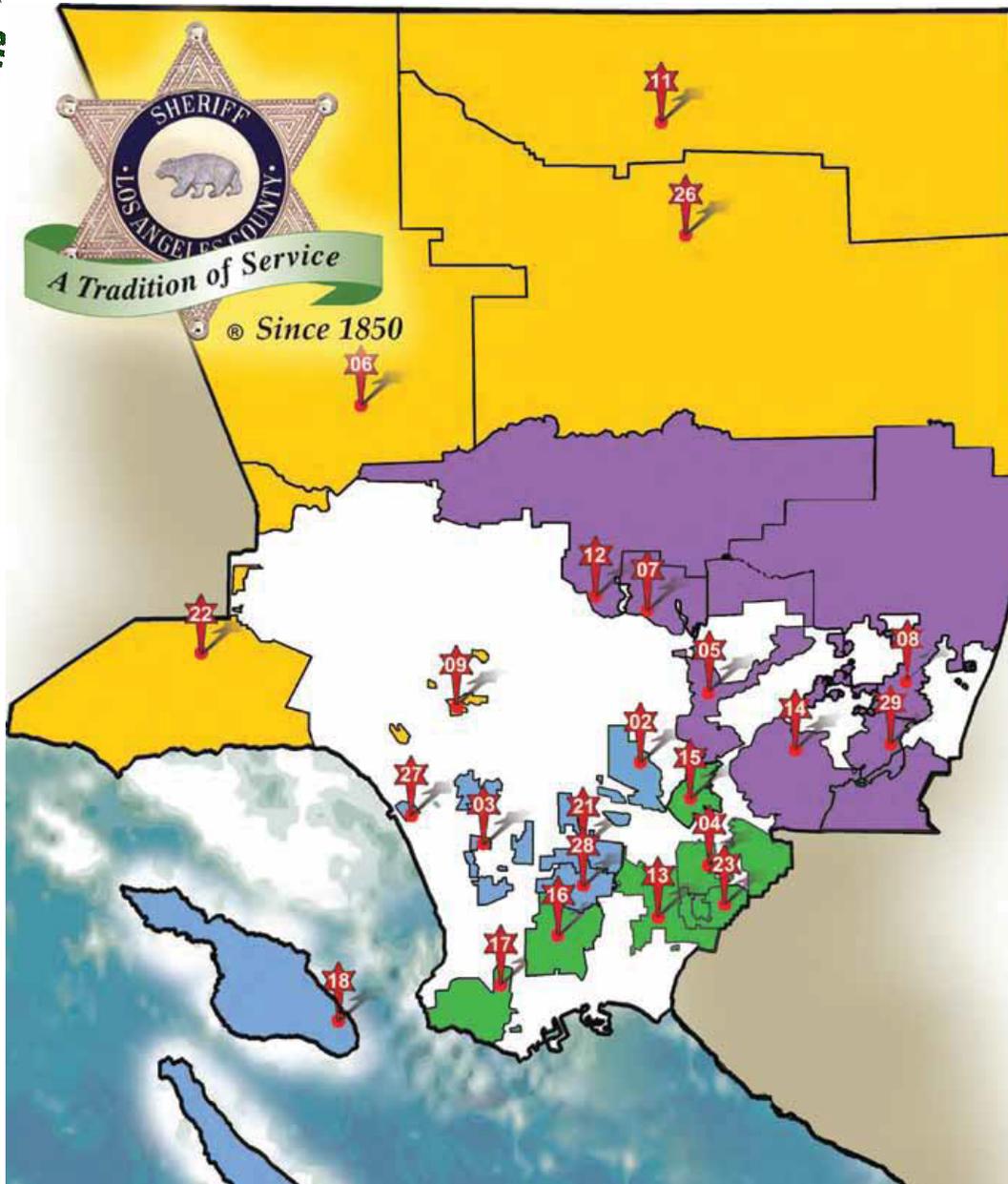


First Actions

- Establish mechanisms to collaborate online
 - Google Hangout for meetings
 - Team web site to publish and store documents
 - <http://www.qsl.net/w6lmt/>
 - Password protected Members Only section, not yet working
- Assign each Station to a specific team member, so the Station personnel know who their representative is
 - Team Member will work with the DCOs to resolve equipment issues and develop frequency plans
 - No surprises
 - Need to have the capability to talk with the contract/contact city amateur radio organizations in addition to the EOB/SCC
 - Each Station also knows their backup representative
 - By my count there are 24 stations to be allocated among the 9 of us
 - Regional grouping make sense especially from a frequency perspective



LASD Patrol Divisions



North Patrol Division

- 11 Lancaster
- 22 Malibu/Lost Hills
- 26 Palmdale
- 06 Santa Clarita Valley
- 09 West Hollywood

Central Patrol Division

- 18 Avalon
- 21 Century
- 28 Compton
- 02 East Los Angeles
- 27 Marina del Rey
- 03 South Los Angeles

South Patrol Division

- 16 Carson
- 23 Cerritos
- 13 Lakewood
- 17 Lomita
- 04 Norwalk
- 15 Pico Rivera

East Patrol Division

- 07 Altadena
- 12 Crescenta Valley
- 14 Industry
- 08 San Dimas
- 05 Temple
- 29 Walnut/Diamond Bar



Disaster Management Areas



- There are 8 regional DMAs which encompass the contact and contract cities
- Contiguous regions make sense, especially from a frequency perspective
- First cut at assignments are a combination of the DMAs and patrol divisions



Proposed Tech Team Geographic Groupings

<u>Stations</u>	<u>DMA</u>	Primary	Alternate	<u>Stations</u>	<u>DMA</u>	Primary	Alternate
9	WHD	A		2	ELA	E-N	
27	MDR	A		4	NWK	E-N	
6	SCT	B		15	PRV	E-N	
11	LAN	B		21	CEN	E-N	
22	LHS	B		13	LKD	E-S	
26	PLM	B		16	CAS	E-S	
7	ALT	C		23	CER	E-S	
12	CVS	C		28	CPT	E-S	
5	TEM	D		18	AVA	F	
8	SDM	D		3	SLA	G	
14	IDT	D		17	LMT	G	
29	WAL	D		95	AERO	F	

- Mapping the Stations into the DMAs shows a fair correlation with the Patrol Divisions
- We would start with your home district and bring in the neighbors
- Area E has 8 stations and we have two team members there so you could divide it in half, north and south



Proposed Tech Team Member Assignments

	<u>Stations</u>	<u>DMA</u>	Primary	Alternate		<u>Stations</u>	<u>DMA</u>	Primary	Alternate
9	WHD	A	T-219	K-04	2	ELA	E-N	D-01	N-01
27	MDR	A	T-219	K-04	4	NWK	E-N	D-01	N-01
6	SCT	B	F-01	K-04	15	PRV	E-N	D-01	N-01
11	LAN	B	F-01	K-220	21	CEN	E-N	D-01	N-01
22	LHS	B	K-04	K-220	13	LKD	E-S	N-01	D-01
26	PLM	B	F-01	K-220	16	CAS	E-S	N-01	D-01
7	ALT	C	M-02	S-74	23	CER	E-S	N-01	D-01
12	CVS	C	M-02	S-74	28	CPT	E-S	N-01	D-01
5	TEM	D	S-74	M-02	18	AVA	F	T-219	S-50
8	SDM	D	S-74	M-02	3	SLA	G	S-50	T-219
14	IDT	D	S-74	M-02	17	LMT	G	S-50	T-219
29	WAL	D	S-74	M-02	95	AERO	F	T-219	S-50

- After discussion and possible adjustments I will announce the assignments
- Then coordinate with the DCOs to understand and document
 - Equipment and antenna issues (start with inventory due 16 January)
 - Frequencies currently in use by the district and the contract/contact city organizations



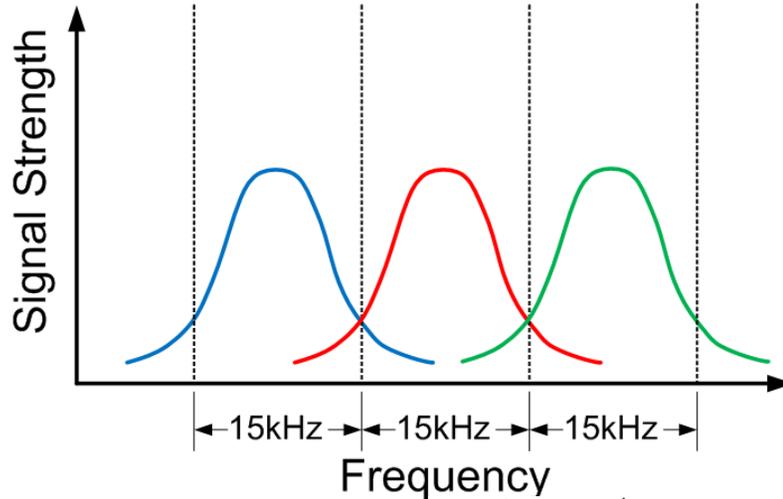
Frequency Planning

- Plans should conform with the recognized band plans
 - Once the current usage is compiled, identify non-conformances and recommend solutions
 - Then adopt standard naming conventions so that we all know where to find each other
- Ultimate goal to develop standard “code plugs” for the equipment in use
- There are no clear frequencies so smart geographic separation with tone squelch will be required for frequency reuse
 - These are standard techniques in commercial frequency coordination
 - 2 meters will probably be the toughest

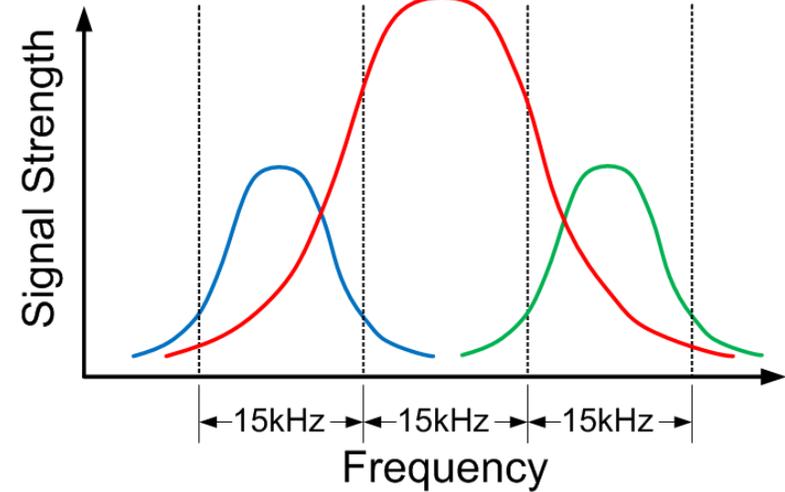


Two Meter Example

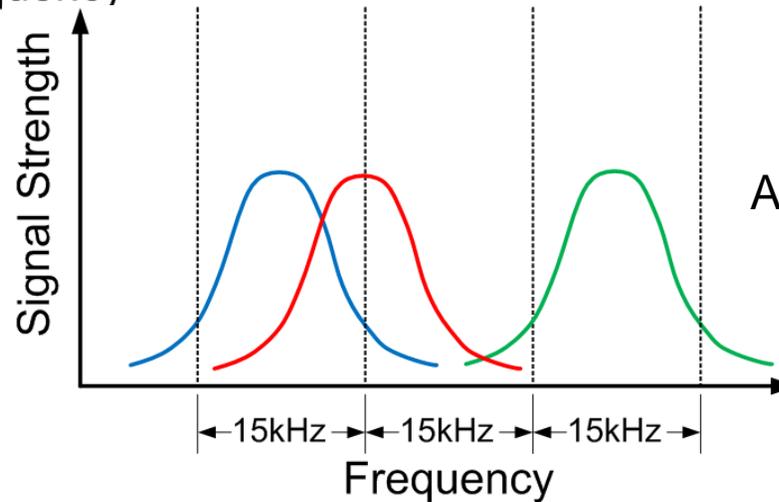
TASMA's 15kHz Channel Spacing Usually Works Great



Unless There Is An Unusually Strong Adjacent Station



Or Someone Doesn't Follow The Rules



And That Shouldn't Be DCS!



Final Thoughts

- Is anyone a member of the recognized frequency management organizations?
 - Twin-Band Area Spectrum Management Association ([TASMA](#))
 - 220 Spectrum Management Association ([220 SMA](#))
 - Southern California Repeater and Remote Base Association ([SCRRBA](#))
 - Need to find the best way to get representation
- What is the best time to meet?
 - Weekdays (which one)
 - Day or Evening
 - Weekends (Saturday or Sunday)
 - Day or Evening
- Next meeting when the equipment inventories are received
- In the meantime make contact with your districts and start compiling the frequencies in your area
- I will post the material to the web site as I get it



Comments?