

Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, DC 20554

In the Matter of)
)
COUNTY OF LOS ANGELES)
Request for Extended Implementation)
)

Request for Extended Implementation Authorization

The County of Los Angeles hereby requests extended implementation authorization (“Slow Growth”), pursuant to Section 90.629, for its licenses to operate public safety land mobile operations on 476-482 MHz (TV Channel 15), which was granted pursuant to an Order released on December 30, 2008 (DA 08-2823) (see appendix A for List of Call Signs).

In 2006, Los Angeles region police and fire agencies began working together to develop a plan to make a shared regional communications system a reality. The countywide system is to be called the “Los Angeles Regional Interoperable Communications System” (LA-RICS). For the project to be successful, it was decided that three tasks must be completed prior to the build-out of the system: (1) a Joint Powers Authority (JPA) must be created to oversee the project, (2) technical specifications must be written, and (3) funding must be secured. See appendix B for list agencies in JPA.

At the time of the County’s request for authority to operate on TV Channel 15, a detailed timeline for the project was not available and a JPA had not been established. Hence, the County did not request “Slow Growth” for the TV Channel 15 licenses. As the LA-RICS developed, there were 89 eligible emergency response agencies in Los Angeles County to take into consideration. This vision was a modern, integrated wireless voice and data communications system that would support more than 34,000 first responders and local mission-critical personnel within the region.

In March 2009, the contents of the Joint Powers Agreement document were finalized. The LA-RICS project revolved around all the cities and the County

agreeing upon the structure of the governing body, and the policies it would utilize. This is a joint project, with nearly every agency in the county participating. A team of lawyers was brought together to ensure that the document was fair and equitable to all members, and met the State legal requirements. Those involved worked as hard as possible with 89 political bodies involved, including 81 city councils, the Los Angeles Board of Supervisors, and the Los Angeles Unified School District, and it was finally possible to form the JPA in early 2009.

Like the formation of the JPA, the technical specifications, and a Request For Proposal (RFP), took considerable time. A technical committee was formed that included both end users and technical experts to write the RFP. In addition, two consulting firms were hired to assist in the process. However, single platform interoperable communications system the size and complexity of LA-RICS has never been built before and the implementation of new technologies to be utilized has proved to be very challenging.

The technical aspects of digital signals, radio frequency trunking, analog overlay, integration of microwave units, and portable radio operability needed to be considered, and specified to ensure that money spent would be effectively used. Although it was anticipated that the RFP could be completed prior to the 2008, the Technical Committee and consultants were unable to complete their tasks in time. Many dedicated people have worked full time on this project to move the regional communication system along as quickly as possible. Unfortunately, despite the dedication and hard work done by all, circumstances beyond Los Angeles County's control have forced us to request an extension of the implementation period for the TV Channel 15 frequencies.

The JPA has been formed, the Board of Directors and a chairperson selected, an Operations and Finance Committee has been formed, and the RFP is nearly complete. The only task yet to be accomplished is the final review and approval of the RFP, which is expected in October 2009, and release of the RFP, expected in November 2009. Based on information provided by technical consultants, the County expects it will take approximately one year from the release of the RFP to begin system construction. The collective view within the Los Angeles region is that interoperable public safety communications, can best and most cost effectively be attained, by creating a shared voice and data radio system. By pooling existing

UHF frequencies, implementing TV Channel 15 frequencies, and utilizing existing infrastructure, where practical, from the City of Los Angeles, the County of Los Angeles, Interagency Communications Interoperability System (ICIS), Long Beach, and others member entities, LA-RICS will:

- Provide unified voice and data communications platforms for all first responders in the region.
- Eliminate the duplication of costs and effort involved in maintaining separate systems.
- Provide instantaneous communications among agencies in the event of a man-made or natural disaster.
- Support the day-to-day communications needs within individual public safety agencies.

LA-RICS will also support interoperability with state and federal agencies such as the California Highway Patrol (CHP) and Federal Bureau of Investigation (FBI). Further, the system will incorporate the recommended best practices of the U.S. Department of Homeland Security (DHS) and achieve the optimal level of interoperability as defined in the DHS SAFECOM Interoperability Continuum.

The public safety community within the Los Angeles region is working together to develop and deploy LA-RICS. The Los Angeles County Sheriff's Department has dedicated personnel to participate in the LA-RICS Project and will provide updates to the FCC as the Project progresses.

Estimated timeline for implementation of TV Channel 15 frequencies in LA-RICS:

2009	Publish LA-RICS Request for Proposal (RFP).
2010	Establish a contract and begin engineering and design.
2011	Finalize design and begin installation and testing.
2012	Finish testing/acceptance of portions of the system and begin migration/use.

2013

Complete system acceptance and continue with migration of users.

Refer to Appendix A for a detailed list of UHF TV Channel 15 licenses. Refer to Appendix B for a list of signed JPA member agencies and to Appendix C for the “slow growth” implementation timeline.

Hence, the County of Los Angeles is requesting a five year “Slow Growth” implementation of the TV Channel licenses with annual updates to the Commission. Should you have questions, please contact Lt. Charles “Skip” Blomer at (323) 881-8227, or email to CIBlomer@lasd.org.



Scott D. Edson, Captain
Communications and Fleet
Management Bureau

APPENDIX A. LIST OF CALL SIGNS

<u>CALL SIGN</u>	<u>LOCATION</u>	<u>CALL SIGN</u>	<u>LOCATION</u>
WQJX500	VERDUGO PEAK	WQJX531	TOWER PEAK
WQJX501	FROST PEAK	WQJX532	JOHNSTONE PEAK
WQJX502	RIO HONDO	WQJX533	SAN PEDRO HILL
WQJX503	TOWER PEAK	WQJX534	DAKIN PEAK
WQJX504	JOHNSTONE PEAK	WQJX535	CASTRO PEAK
WQJX505	SAN PEDRO HILL	WQJX536	BALDWIN HILLS
WQJX506	DAKIN PEAK	WQJX537	BLACKJACK MOUNTAIN
WQJX507	CASTRO PEAK	WQJX538	ROLLING HILLS TRANSMIT
WQJX508	BALDWIN HILLS	WQJX539	MOUNT MCDILL
WQJX509	TOWER PEAK	WQJX540	MOUNT DISAPPOINTMENT
WQJX510	ROLLING HILLS TRANSMIT	WQJX541	VERDUGO PEAK
WQJX511	MOUNT MCDILL	WQJX542	OAT NIKE
WQJX512	MOUNT DISAPPOINTMENT	WQJX543	BALD MOUNTAIN
WQJX513	VERDUGO PEAK	WQJX544	CRIMINAL JUSTICE CENTER
WQJX514	OAT NIKE	WQJX545	ALTADENA SHERIFF'S STATION
WQJX515	BALD MOUNTAIN	WQJX546	AVALON SHERIFF'S STATION
WQJX516	CRIMINAL JUSTICE CENTER	WQJX547	WEST HOLLYWOOD SHERIFF'S STATION
WQJX517	ALTADENA SHERIFF'S STATION	WQJX548	MALIBU SHERIFF'S STATION
WQJX518	AVALON SHERIFF'S STATION	WQJX549	SHERIFF'S COMMUNICATIONS CENTER
WQJX519	WEST HOLLYWOOD SHERIFF'S STATION	WQJX550	TEMPLE CITY SHERIFF'S STATION
WQJX520	MALIBU SHERIFF'S STATION	WQJX551	ANTELOPE VALLEY SHERIFF'S STATION
WQJX521	SHERIFF'S COMMUNICATIONS CENTER	WQJX552	OAT MOUNTAIN TRANSMIT
WQJX522	TEMPLE SHERIFF'S STATION	WQJX553	MOUNT LUKENS
WQJX523	ALTADENA VALLEY SHERIFF'S STATION	WQJX554	HAUSER PEAK
WQJX524	OAT MOUNTAIN TRANSMIT	WQJX556	MAGIC MOUNTAIN
WQJX525	MOUNT LUKENS	WQJX557	PUENTE HILLS NIKE
WQJX526	HAUSER PEAK		
WQJX527	MAGIC MOUNTAIN		
WQJX528	PUENTE HILLS NIKE		
WQJX529	FROST PEAK		
WQJX530	RIO HONDO		

APPENDIX B. LA-RICS JPA MEMBERS LIST

<u>AGENCY</u>	<u>AGENCY</u>
1 CITY OF AGOURA HILLS	46 CITY OF LOS ANGELES
2 CITY OF ALHAMBRA	47 CITY OF LYNWOOD
3 CITY OF ARCADIA	48 CITY OF MANHATTAN BEACH
4 CITY OF ARTESIA	49 CITY OF MAYWOOD
5 CITY OF AVALON	50 CITY OF MONROVIA
6 CITY OF AZUSA	51 CITY OF MONTEBELLO
7 CITY OF BALDWIN PARK	52 CITY OF MONTEREY PARK
8 CITY OF BELL	53 CITY OF NORWALK
9 CITY OF BELL GARDENS	54 CITY OF PALMDALE
10 CITY OF BELLFLOWER	55 CITY OF PALOS VERDES ESTATES
11 CITY OF BEVERLY HILLS	56 CITY OF PARAMOUNT
12 CITY OF BRADBURY	57 CITY OF PASADENA
13 CITY OF BURBANK	58 CITY OF PICO RIVERA
14 CITY OF CALABASAS	59 CITY OF POMONA
15 CITY OF CARSON	60 CITY OF RANCHO PALOS VERDES
16 CITY OF CERRITOS	61 CITY OF REDONDO BEACH
17 CITY OF CLAREMONT	62 CITY OF ROLLING HILLS ESTATES
18 CITY OF COMMERCE	63 CITY OF ROSEMEAD
19 CITY OF COMPTON	64 CITY OF SAN DIMAS
20 CITY OF COVINA	65 CITY OF SAN FERNANDO
21 CITY OF CULVER CITY	66 CITY OF SAN GABRIEL
22 CITY OF DOWNEY	67 CITY OF SAN MARINO
23 CITY OF DUARTE	68 CITY OF SANTA CLARITA
24 CITY OF EL MONTE	69 CITY OF SANTA FE SPRINGS
25 CITY OF E SEGUNDO	70 CITY OF SANTA MONICA
26 CITY OF GARDENA	71 CITY OF SIERRA MADRE
27 CITY OF GLENDALE	72 CITY OF SIGNAL HILL
28 CITY OF GLENDORA	73 CITY OF SOUTH EL MONTE
29 CITY OF HAWAIIAN GARDENS	74 CITY OF SOUTH GATE
30 CITY OF HAWTHORNE	75 CITY OF SOUTH PASADENA
31 CITY OF HERMOSA BEACH	76 CITY OF TEMPLE CITY
32 CITY OF HIDDEN HILLS	77 CITY OF TORRANCE
33 CITY OF HUNTINGTON PARK	78 CITY OF VERNON
34 CITY OF INDUSTRY	79 CITY OF WALNUT
35 CITY OF INGLEWOOD	80 CITY OF WEST COVINA
36 CITY OF IRWINDALE	81 CITY OF WESTLAKE VILLAGE
37 CITY OF LA CANADA FLINTRIDGE	82 CITY OF WHITTIER
38 CITY OF LA HABRA HEIGHTS	83 COUNTY OF LOS ANGELES
39 CITY OF LA MIRADA	84 LOS ANGELES UNIFIED SCHOOL DIST.
40 CITY OF LA PUENTE	85 UCLA
41 CITY OF LA VERNE	
42 CITY OF LAKEWOOD	
43 CITY OF LANCASTER	
44 CITY OF LAWNSDALE	
45 CITY OF LONG BEACH	

APPENDIX C. LA-RICS BREAKDOWN TASKS

YEAR	DESCRIPTION	START	END	PROJECT MGT TEAM
	PMT= Project Management Team (includes government & consultants), V=Vendor			
	Prepare RFP	10/1/07	8/10/09	UASI 07
1	MILESTONE: Release vendor RFP (1,575 page RFP for vendors to review)	10/1/09	1/31/10	UASI 07
1	RFP: Radio Site Visits by Vendors	10/1/09	11/30/09	UASI 07
1	RFP team to review vendor responses	2/1/10	4/30/10	UASI 07
2	RFP "Short List" vendor presentations	4/1/10	4/30/10	UASI 07
2	RFP approval/reviews to select vendor finalist	5/1/10	5/10/10	UASI 07
2	MILESTONE: Negotiate and obtain contract final approval and signatures	5/11/10	6/30/10	UASI 07
2	Vendor to finalize user data system requirements and functional data design schematics	7/1/10	7/31/10	UASI 07
2	Vendor to finalize user voice system requirements and functional voice design schematics	7/1/10	7/31/10	UASI 07 \$1 Mill PMT
2	Vendor completes voice, data, backhaul, & dispatch center engineering analysis. Vendor finalizes systemwide functional design schematics	7/15/10	8/14/10	UASI 08
2	Vendor verifies design for urban, foothills, mountain, canyon, island, in-building, subway, & marine radio coverages	8/1/10	9/30/10	UASI 08
2	Vendor finalizes comprehensive design schematics	9/1/10	10/31/10	UASI 08
2	Vendor to develop frequency re-allocation, licensing of radio frequencies, and FCC licensing approval (FCC approval up to 1 yr)	8/1/10	12/31/10	UASI 08 \$3 Mill PMT

APPENDIX C. LA-RICS BREAKDOWN TASKS

YEAR	DESCRIPTION	START	END	PROJECT MGT TEAM
3	Vendor to prepare preliminary detailed technical design & establish physical upgrade requirements for radio towers; mountaintop radio sites & their supporting infrastructure such as utilities, HVAC, access; backhaul; & dispatch centers	10/1/10	1/31/11	UASI 09
3	Vendor to construct detailed technical design for in-building and subway radio coverage sub-systems	3/1/11	5/31/11	UASI 09
3	MILESTONE PMT reviews & approves preliminary detailed technical design	2/1/11	2/28/11	UASI 09
3	Vendor finalizes system's detailed technical design including microwave and fiber (backhaul) systems, dispatch centers, & secure required construction and environmental permits	6/1/11	10/31/11	UASI 09
3	MILESTONE: validation & acceptance of project engineering and detailed design by PMT (Final design payment)	11/1/11	12/31/11	UASI 09 \$6 Mil PMT
4	Vendor to begin remote site upgrades and acquisition	1/2/12	12/30/12	
4	MILESTONE: Order and inventory infrastructure equipment	1/2/12	6/1/12	
4	Factory testing of equipment prior to installation	6/2/12	7/2/12	
4	Staging of equipment for sites	7/3/12	8/3/12	
5	Installation and Testing of site equipment in all regional areas (See Sheet "Slow Growth")	7/17/12	12/20/14	
5	Migration of users onto all regional areas	12/18/12	12/31/14	
5	MILESTONE: Final system testing and acceptance	12/31/14	3/31/15	