

**JOINT MEETING OF THE INTEROPERABILITY NETWORK OF THE SOUTH BAY
JOINT POWERS AUTHORITY TECHNICAL AND OPERATIONS COMMITTEES
TUESDAY, OCTOBER 12, 2021, 10:00 AM
CONDUCTED VIA TELECONFERENCE**

LINK: <https://global.gotomeeting.com/join/436111493>

Audio Only: [+1 \(408\) 650-3123](tel:+14086503123)

Access Code: 436-111-493

1. CALL TO ORDER

2. ROLL CALL - OPERATIONS COMMITTEE

- El Segundo
- Gardena
- Hawthorne
- Hermosa Beach
- Manhattan Beach
- Redondo Beach
- Torrance

3. ROLL CALL - TECHNICAL COMMITTEE

- El Segundo
- Gardena
- Hawthorne
- Hermosa Beach
- Manhattan Beach
- Redondo Beach
- Torrance

4. PUBLIC COMMENT

In the interest of maintaining appropriate social distancing, members of the INSB and staff will participate in this meeting via teleconference. The Authority encourages the public to participate by using one of the following options for public comments:

- Email your public comment to schedule@rcc911.org by 7:30 AM, the day of the meeting and have your comment available to INSB and the public.
- Call (310) 973-1802 ext.100 and leave a message by 7:30 AM, the day of the meeting.

5. APPROVAL OF MINUTES

- a. Approval of Operations Committee Minutes – August 10, 2021
- b. Approval of Technical Committee Minutes – September 14, 2021

6. GENERAL BUSINESS FOR OPERATIONS COMMITTEE

- a. LA-RICS Interoperability
- b. MHB site/relocation

7. GENERAL BUSINESS FOR TECHNICAL COMMITTEE

- a. INSB Baldwin Hills Firewalls
- b. INSB Future Projects

- c. LA-RICS Interoperability
- d. Discuss switching to bi-monthly Technical Committee meetings to follow INSB JPA
- e. MHB site/relocation
- f. ICI-S Technical Update
- g. Technical Issues

8. COMMENTS FROM OPERATIONS COMMITTEE MEMBERS

9. COMMENTS FROM TECHNICAL COMMITTEE MEMBERS

10. COMMENTS FROM STAFF

11. ADJOURNMENT

5a.

**Minutes for JOINT MEETING
OF THE INTEROPERABILITY
NETWORK OF THE SOUTH BAY
JOINT POWERS AUTHORITY TECHNICAL AND OPERATIONS COMMITTEES**

JULY 13, 2021

1. CALL TO ORDER

The Interoperability Network of the South Bay (INSB) Operations and Technical Committees convened in a joint meeting at 10:04AM on Tuesday, July 13, 2021 by teleconference.

2. ROLL CALL - OPERATIONS COMMITTEE

Present: \$ Captain Ryan Allee, El Segundo Fire Department \$
Captain Nick Facer, Torrance Fire Department \$
Detective J.R. Smith, Hermosa Beach Police Department \$
Sergeant Chris Wiley, Hawthorne Police Department \$
Lieutenant Andy Harrod, Manhattan Beach Police Department \$

Absent: \$ City of Gardena \$
City of Redondo Beach \$

3. ROLL CALL - TECHNICAL COMMITTEE

Present: \$ Dennis Faro, City of Torrance \$
Josh Armstrong, City of Hawthorne \$
Captain Ryan Allee, El Segundo Fire Department \$
Lieutenant Andy Harrod, Manhattan Beach Police Department \$
Detective J.R. Smith, Hermosa Beach Police Department \$

Absent: \$ City of Gardena \$
City of Redondo Beach \$

Also Present: \$ Executive Director Ernest Gallo, City of Torrance \$
Jeff Fukasawa, Comcline \$
Ernie Crespo, Director of Transportation for City of Gardena \$
Joe Dalguntas, City of Torrance \$
Minesh Chauhan, Systems Analyst \$
Executive Director Ross Klun, RCC \$
Administrative Services Manager John Krok, RCC \$

4. PUBLIC COMMENT

Resident Thomas Luce of Manhattan Beach reiterated his support for unencrypted radio for dispatching channels for police and fire in real time.

5. APPROVAL OF MINUTES

a. Approval of Operations Committee Minutes – April 13, 2021

Motion: Captain Facer moved to approve the minutes from April 13, 2021. The motion was seconded by Captain Allee and approved by voice vote.

b. Approval of Technical Committee Minutes – May 11, 2021

Motion: Captain Allee moved to approve the minutes from May 11, 2021. The motion was seconded by Mr. Armstrong and passed by voice vote.

6. GENERAL BUSINESS OF OPERATIONS COMMITTEE

a. Operation's Issues and Concerns

Captain Facer reported no current issues that have been presented to the committee. Sergeant Wiley recommended LA-RICS on the committee due to Inglewood and the Sofi Stadium. Mr.

Fukasawa, Compline, has a contact with LA-RICS to issue IDs and will forward information to Chair Faro and Mr. Armstrong.

b. \$ Gardena Transit

Ernie Crespo, Director of Transportation for City of Gardena and Minesh Chauhan, Systems Analyst were introduced for their presentation about the Transit Department. Depending on approval and governance, Gardena transit would go their City Council and look toward September/October 2021 for the equipment and integration before going live. Funding is available and would like to go live before calendar end. The Committee discussed future subscribers and their needs on a case by case basis.

7. (GENERAL BUSINESS OF TECHNICAL COMMITTEE

a. \$ Approval of INSB firewall warranty(s)

Renewal of the one firewall at the Torrance Prime site yearly is needed at the moment. First quote outlined what is the warranty coverage and the second summarized the cost.

Motion: Mr. Armstrong moved to approve funding of the warranty. The motion was seconded by Captain Allee and passed by voice vote.

b. \$ INSB Wireless Infrastructure \$

Chair Faro continues to compile the equipment list. \$

c. \$ BDA (Bi-Directional Amplifier) List \$

Chair Faro has a list and will add to drop box folder for the Committee's review. \$

d. \$ INSB Affiliate Updates \$

Chair Faro reported that finances are current and up to date. \$

e. \$ Gardena Transit Transition Presentation \$

Completed \$

f. \$ Discuss switching to bi-monthly Technical Committee meetings

When JPA discussed moving to bi-monthly meetings, Chair Faro reached out to the Committee to adopt similar frequency. Executive Director Gallo recommended publishing a monthly schedule with options to cancel.

g. \$ ICI-S Technical Update

Chair Faro reported Low Power TV application to move to channel 22 to channel 20 in Los Angeles. This change might cause interferences for those who deploy that frequency range for channel 20. Another update is the Motorola Wave app that allows listening to talk groups with an activation fee of \$156 plus service fees with 3 year minimum commitment. Chair Faro inquired after the encryption of INSB Fire Agencies' radios. Mr. Fukasawa will provide list of South Bay and Redondo Beach encrypted radios. He also mentioned Motorola discontinued servicing APEX 7000 radios.

h. \$ Technical Issues \$

None at the moment. \$

8. (COMMENTS FROM OPERATIONS COMMITTEE MEMBERS

None.

9. (COMMENTS FROM TECHNICAL COMMITTEE MEMBERS

Administrative Services Manager John recommended that Redondo Beach and Torrance consider integrating with LA-RICS. Sofi Stadium is on the system. Discussion will continue. Joel Dalguntas is now the alternative for Torrance representative

10. COMMENTS FROM STAFF

Executive Director Ernest Gallo reported on a few updates including subscriber agreements with Chevron and Schimo. He will add to the next agenda for financing of future projects.

11. ADJOURNMENT

The meeting adjourned at 11:17AM.

5b.

MINUTES
JOINT MEETING OF THE INTEROPERABILITY
NETWORK OF THE SOUTH BAY JOINT POWERS
AUTHORITY TECHNICAL AND OPERATIONS COMMITTEES

September 14, 2021

1. CALL TO ORDER

The Interoperability Network of the South Bay (INSB) Operations and Technical Committees convened in a joint meeting at 10:04AM on Tuesday, September 14, 2021

2. ROLL CALL - TECHNICAL COMMITTEE

Present: (Dennis Faro, City of Torrance
Lieutenant Andy Harrod, Manhattan Beach Police Department
Mike Sweeney, City of Manhattan Beach
Detective J.R. Smith, Hermosa Beach Police Department
Jason Kilpatrick, City of Redondo Beach
Battalion Chief David Shenbaum, Manhattan Beach Fire Department

Absent: (City of El Segundo
City of Gardena
City of Hawthorne

Also Present: (Executive Director Ernest Gallo, City of Torrance
Jeff Fukasawa, Commline
Victor Bowers, Commline
Joe Dalguntas, City of Torrance
Executive Director Ross Klun, RCC
Administrative Services Manager John Krok, RCC

1. #PUBLIC COMMENT

None.

2. #APPROVAL OF MINUTES

6a. Approval of Technical Committee Minutes – July 13, 2021

Motion: Mr. Sweeney moved to approve the minutes from July 13, 2021. The motion was seconded by Detective Smith and passed by voice vote.

3. #GENERAL BUSINESS OF TECHNICAL COMMITTEE

a. (INSB Baldwin Hills Firewall

Mr. Bowers updated the Committee on the firewall and will follow-up on the timeframe to coordinate between Motorola and Mr. Armstrong. The completion of fiber connectivity will need to be confirmed.

b. (MHB site/relocation

The Governance Board discussed relocation of the Manhattan Beach tower. If the tower is installed at the original site, costs will need to be determined and possibly explore other locations including the police department. Mr. Fukasawa mentioned the challenges from Manhattan Beach's terrain. He has information on terrain mapping since the changing shoreline creates difficulties for outside vendors to assess and to study. He recommended test coverage would be more accurate. Mr. Gallo recommended a subcommittee with no more than three participants. Lt. Harrod discussed the impacts to the stakeholders. Mr. Fukasawa will reach out to Anastacia

at Manhattan Beach Public Works. Finally, Chair Faro will reach out to other members to join (the subcommittee. (

Motion: Lt. Harrod moved to approve subcommittee for the Manhattan Beach Site Relocation.

The motion was seconded by Mr. Kilpatrick and Detective Smith and passed by voice vote. (

c. (LA-RICS Interoperability

Currently, no final MOU between LA RICS yet. Mr. Fukasawa reported officers have to respond to Sofi stadium where the underground is 100 feet and presents challenges. Inglewood and South Bay do have an MOU to have LA RICS channels and frequencies.

d. (INSB Future Projects

Chair Faro addressed the group to bring back capital projects for funding. Mr. Gallo presented two options as modest funds remain in capital reserves from member contributions and the grant cycle may work for regional projects with partners.

e. (ICI-S Technical Update (

Mr. Gallo will present information to Chair Faro. (

f. (Technical Issues

Chair Faro reported that Compline troubleshooted an issue and didn't receive any other technical issues. Some coverage issues in Palos Verdes.

4. # COMMENTS FROM TECHNICAL COMMITTEE MEMBERS

None.

5. # COMMENTS FROM STAFF

On the agenda for the Governance Board, Mr. Gallo plan to project costs for Gardena Transit in the cost allocation study. Chevron subscriber agreement has progressed and will be presented to the board. The prime site from Torrance will be moved to INSB with the treasurer anticipating the transfer. County of Los Angeles plan to reissue subrecipients grant to INSB which is the last of asset transfer. In the future, transfer radio site assets from RCC to INSB should take place. Mr. Gallo is also working on the SCIMO agreement. Insurance was held up so it will be introduced at the next cycle. Another recommendation to the board, many of JPAs, are going to alternate meetings to reconsider the board meeting schedule. Reimbursement check was received. Mr. Gallo reported encrypting fire talk groups gained interest.

6. # ADJOURNMENT

The meeting adjourned at 10:46AM.

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Pegasus Telecommunications Consulting Group

(A Division of Comsite Pacific, Inc.)

P.O. Box 1608, Santa Maria, CA 93456-1608

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EIN #95-3815999

PROPOSAL

October 1, 2021

To: Dennis Faro
Wireless Technician,
City of Torrance Communications & Information Technology
20500 Madrona Avenue,
Torrance CA 90503

Cc: Ernest Gallo
Executive Director, INSB

Re: City of Torrance Radio Coverage Telecommunications Consulting Proposal
Radio Coverage Mapping Assessment for Coastal Cities

Dear Dennis;

Pegasus Telecommunications Consulting Group (PTCG) is pleased to offer this amended proposal as requested. We understand that you are now requesting a modified proposal to compare existing INSB sites composite coverage map modelling with supplemental overlay coverage mapping for each of five (5) City of Torrance candidate radio sites on city property to include computer-generated coverage maps depicting composite coverage overlay maps.

INITIAL RECOMMENDED SCOPE OF WORK

1. Obtain existing INSB radio coverage maps and prepare coverage modelling maps for five (5) new candidate radio sites on city property.
2. Prepare individual overlay maps depicting INSB current overall coverage and composite coverage for each of the five candidate sites.
3. Prepare and deliver predictive coverage maps and narrative coverage descriptions to City of Torrance for each radio site.

Estimated Labor for computerized coverage modelling for five candidate radio sites, acquisition of INSB computerized coverage map modelling, production of five composite coverage maps, and a summary report discussing the composite coverage predictions for each candidate site.

24 hours @ \$250/Hour = \$6,000

Labor Cost \$6,000 (not to exceed) *

Discussion

*Based upon our considerable knowledge of both the INSB and City of Torrance radio communications systems, we are compelled to identify a number of considerations and outside factors that may affect or maybe prohibit new site development beyond simply selecting sites based only on radio coverage suitability.

1. The City of Torrance and beach cities formerly employed voting receivers and bi-directional amplifiers (BDA) at several critical locations that effectively eliminated coverage dead spots. When the UHF system was reconfigured several years ago, BDA donor signal coverage was lost or degraded in key locations that formerly supported BDA's, leaving new coverage holes. Several identified areas of poor coverage are in-building or underground locations. Supplemental coverage for these specific locations may be best served by BDA's, requiring site physical surveys at a later date.
2. In order to support any of the new sites as part of the UHF simulcast system, a robust broadband microwave or fiber backbone is required for base radio connectivity. A mobile radio coverage map in itself does not depict microwave patch probabilities or the ability to install required microwave antennas, or to assure unobstructed redundant microwave paths.
3. Most any new or modified site development or improvement within five miles of the coastline is subject to a California Coastal Commission permitting and review process. A CCC process can take months and years to complete and doesn't assure successful permitting in the end. An existing permitted site may bypass this requirement.
4. Unless the City supplies exact antenna placement details for each of the new candidate sites and exact antenna manufacturer antenna model numbers, PTCG shall employ 'typical' omnidirectional gain antenna suitable for the band, determine the ERP for transmitters and subscriber radios, and specify installation environment of its own selection for use as representative examples for computer modelling purposes.
5. Portable transceiver specifications and operating conditions are assumed to be (1) a handheld portable transceiver used outdoors with radio at head height. The radio shall be held vertically.
6. The computerized cover modelling provided per this proposal shall be reasonably accurate for the parameters used but may lack the granularity to identify specific small locations that may be shadowed or obstructed by the environment and surroundings. Only field coverage testing can provide this level of coverage prediction accuracy.

TERMS AND CONDITIONS

Pegasus Telecommunications Consulting Group's hourly professional services rate for FCC license management and consulting is \$250/hour. Pricing assumes that the majority of this work can be accomplished electronically from the Consultant's workplace and does not involve travel. This proposal includes up to three client location on-site visits (at no additional cost). Travel in support of FCC licensing projects beyond the three included site visits shall be billed at a flat rate of \$100 round trip, with no additional labor charge.

The Consultant, upon prior agreement by the Client may request change orders to add additional labor time for specific new tasks, as necessary.

Pegasus Telecommunications Consulting Group considers all client provided information to be confidential and proprietary and will not divulge such information to outside parties. Pegasus Telecommunications Consulting Group reserves the right to share such information with its contract employees who shall also protect client confidential information.

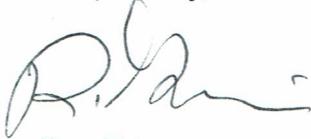
Pegasus Telecommunications Consulting Group shall deliver regular written updates of task progress and shall provide a written closing report detailing the findings and recommendations, along with recommended actions. Follow-up actions based on this report may incur additional charges for specific new services.

Initial payment of 10% due upon initiation of project, with monthly invoicing throughout project life for labor expended. Project conclusion occurs upon completion of scope of work tasks, or otherwise 30 days after project final report submitted to the City if no response or acknowledgment received.

Pegasus Telecommunications Consulting Group is confident that it has the technical expertise, public safety community familiarity, and resources to meet the stringent requirements of the City of Torrance. PTCG can supply supporting documentation to include references and work experience, independent contractor professional resumes, and a certificate of insurance naming the City as a co-insured upon request.

Thank you for the opportunity to serve the City of Torrance.

Respectfully,



Ray Grimes
Owner/Consultant

Pegasus Telecommunications Consulting Group

(A Division of Comsite Pacific, Inc.)

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EIN #95-3815999

PROPOSAL

October 01, 2021

To: Dennis Faro
Wireless Technician,
City of Torrance Communications & Information Technology
20500 Madrona Avenue,
Torrance CA 90503
Cc: Ernest Gallo
Executive Director, INSB

Re: City of Torrance Radio Coverage Telecommunications Consulting Proposal
Radio Site Search and Qualification Project for Coastal Cities

Dear Dennis;

Pegasus Telecommunications Consulting Group (PTCG) is pleased to have the opportunity to present to the City of Torrance a quotation for telecommunications consulting and engineering services in support of the City and the Interoperability Network of the South Bay (INSB). We understand that the City of Torrance wishes to construct at least one new radio site in the South Bay coastal area to supplement existing portable radio coverage for specific locations.

Scope of Work

The best candidate site selection will be determined by a process:

1. Research and determine suitability of up to five (5) City-owned candidate sites to accommodate City of Torrance radio equipment, expansion room, sufficient power and telco utilities, HVAC, standby emergency power, 7 x 24 accessibility, low environmental risk, convenient parking, and site location in an area that will meet the expanded coverage requirement.
2. If none of the five City-candidate radio sites is suitable or immediately available for occupancy, PTCG will develop 5 mile radius search rings around the areas requiring coverage improvements. PTCG will then identify up to ten (10) existing site locations and owners/leasing agents and make contact to gain access and obtain pricing, available cabinet space, antenna structure suitability, utility availability, expansion room, HVAC, standby emergency power, 7 x 24 accessibility, low environmental risk, convenient parking, and site location in an area that will meet the expanded coverage requirement.

3. Evaluate City-Owned radio facility option sites. Identify up to ten (10) alternate private-owned existing radio sites within the search rings encompassing radio system coverage voids.
4. PTCG will prepare and deliver a report to the City of Torrance discussing radio site search findings and recommendations.

Labor Cost \$5,700 (not to exceed) *

* Four field trips included in quotation. Additional field trips quoted at \$100 per trip (vehicle mileage and labor inclusive).

Discussion

The City of Torrance is offering one of five candidate site locations on City property for a new radio site. The selection of a site though, is more complex than just obtaining a building and antenna structure. The related project proposal will model existing INSB radio coverage and provide overlay maps to show composite predicted coverage for each candidate site which will be evaluated along with new site physical locations and suitability. Aside from simply accommodating a new radio site, there are requirements to accommodate a dedicated redundant microwave path with sufficient antenna structure. If city-owned existing sites are not already permitted and zoned for radio telecommunications use, then the process for such permitting and approvals in the coastal areas can be complicated, requiring environmental hearings, public hearings, an Environmental Impact Report (EIR), and appeals, with substantial costs and project delays, particularly if Coastal Commission approval is required. Needless to say, an existing properly permitted radio site is highly desirable but may require a private party long-term facility lease for which we understand the City of Torrance does not favor but may prove to be most cost-effective and expedient.

TERMS AND CONDITIONS

Pegasus Telecommunications Consulting Group's hourly professional services rate for FCC license management and consulting is \$250/hour. Pricing assumes that the majority of this work can be accomplished electronically from the Consultant's workplace and does not involve travel. This proposal does include three client location on-site visits (at no additional cost). Travel in support of FCC licensing projects beyond the three included site visits shall be billed at a flat rate of \$100 round trip, with no additional labor or vehicle mileage charges.

The Consultant, upon prior agreement by the Client may request change orders to add additional labor time for specific new or amended tasks, as necessary.

Pegasus Telecommunications Consulting Group considers all client provided information to be confidential and proprietary and will not divulge such information to outside parties. Pegasus Telecommunications Consulting Group reserves the right to share such information with its contract employees who shall also protect client confidential information.

Pegasus Telecommunications Consulting Group shall deliver regular written updates of task progress and shall provide a written closing report detailing the findings and recommendations, along with recommended actions. Follow-up actions based on this report may incur additional charges for specific new services.

Initial payment of 10% due upon initiation of project, with monthly invoicing throughout project life for labor expended. Project conclusion occurs upon completion of scope of work tasks, or otherwise 30 days after project final report submitted to the City if no response or acknowledgment received.

Pegasus Telecommunications Consulting Group carries a commercial liability insurance policy that includes commercial vehicle coverage, and Errors & Emissions coverage. PTCG upon preparation of a contract with the City, will add the City of Torrance and INSB as co-insured, and will provide proof of such coverage. PTCG can supply supporting documentation to include references and work experience, independent contractor professional resumes, and a certificate of insurance naming the City as a co-insured.

Pegasus Telecommunications Consulting Group is confident that it has the technical expertise, public safety community familiarity, and resources to meet the stringent requirements of the City of Torrance and INSB in addressing its public safety radio coverage deficiencies and performing FCC licensing (if desired).

Thank you for the opportunity to serve the City of Torrance and INSB.

Respectfully,



Ray Grimes
Owner/Consultant