

# Introduction to FRC issues

---

## Synopsis

I am Bryan Fields, W9CR a member of the Florida Repeater Council (FRC). I'm involved in amateur radio in the Tampa Bay area, with membership in four local clubs and am chairman of my repeater groups Technical Committee.

Professionally I am a Network Architect with a major telecom company. I've been a licensed amateur since 1995 (over 2/3 of my life), hold a GROL and have a background in cellular/microwave networks.

Over the past few years I've been involved in getting four new repeaters on the air, including Tampa's only 927 MHz repeater. We have the southern most HamWAN deployment providing 20 Mbit/s + over packet radio to most of Tampa Bay. It's truly remarkable what our group has been able to accomplish in this time. What stands above all else is the amount of new amateur radio operators we've been able to get licensed.

Of course we've attempted to coordinate our repeaters during this time via the FRC. Every time I've interacted with the FRC I've been aghast at how horribly run of an organization it is. I've attempted to work with them at every turn, only to be stymied time and time again. The FRC directors have contempt for the members, the ByLaws and Florida Law.

Below is some of the evidence showing these interactions. .

If you believe in frequency coordination and the fellowship of this hobby can bring, please contact me: [bryan@bryanfields.net](mailto:bryan@bryanfields.net) and give me your proxy.

## Table of Contents

<b>Synopsis.....</b>	<b>1</b>
<b>Complete history of Issues with FRC and background.....</b>	<b>2</b>
Background on coordination in Amateur Radio.....	2
Background with Coordination with the FRC.....	3
<b>Parting thoughts .....</b>	<b>5</b>
<b>References .....</b>	<b>5</b>
<b>Proxy Form .....</b>	<b>6</b>

# Complete history of Issues with FRC and background

## Background on coordination in Amateur Radio

Amateur Radio is regulated and individuals are licensed by the FCC.

The basis and purpose of Amateur Radio is defined in 47 CFR §97.1:

Recognition and enhancement of the value of the amateur service to the public as a voluntary noncommercial communication service, particularly with respect to providing emergency communications.

(b) Continuation and extension of the amateur's proven ability to contribute to the advancement of the radio art.

(c) Encouragement and improvement of the amateur service through rules which provide for advancing skills in both the communication and technical phases of the art.

(d) Expansion of the existing reservoir within the amateur radio service of trained operators, technicians, and electronics experts.

(e) Continuation and extension of the amateur's unique ability to enhance international goodwill.

Amateurs have no right to a frequency and the FCC puts very few restrictions on the use of the different allocations amateurs have. §97.101 (b) states:

Each station licensee and each control operator must cooperate in selecting transmitting channels and in making the most effective use of the amateur service frequencies. No frequency will be assigned for the exclusive use of any station.

A repeater coordinator is defined by the FCC as:

*Frequency coordinator.* An entity, recognized in a local or regional area by amateur operators whose stations are eligible to be auxiliary or repeater stations, that recommends transmit/receive channels<sup>1</sup> and associated operating and technical parameters for such stations in order to avoid or minimize potential interference

The FCC has commercial repeater coordinators, which work for the other radio services, for a fee they use technical standards to coordinate operation between Part 90 and 74 (police/fire/hotels/etc.). All records for these coordination are in the FCC database and able to be looked up by anyone. What's nice about this is multiple coordinators exist and are able to work alongside each other in the market place.

Amateur coordination is "optional" per the FCC and there is only one coordinator for an area/state. There is no legal basis for such a sole coordinator but this is practice. In Florida this is the FRC and they work in a slow secretive fashion.

The FCC does give preference to coordinated repeaters per 97.205(c)

Where the transmissions of a repeater cause harmful interference to another repeater, the two station licensees are equally and fully responsible for resolving the interference unless the operation of one station is recommended by a frequency coordinator and the operation of the other station is not. In that case, the licensee of the non-coordinated repeater has primary responsibility to resolve the interference.

---

<sup>1</sup> Reference #11, "applications for NEW coordination without frequencies will be returned to the applicant. The Council is unable to search for available frequencies"

As such it's in our best interest to coordinate our systems with the FRC.

The FRC is a member-based organization, of which I am a member and have been since 15-Dec-2013 by paying the \$10 per year membership fee. I never received anything other than a PayPal receipt for this each year. Their meetings are governed by their bylaws and Roberts Rules of Order. I have attached a copy of these by-laws as **reference #1**.

In contrast to commercial frequency coordination the FRC does not function in a prompt manner or use technical standards. The FRC does not even follow their own coordination policy as written. The coordination policy is attached as **reference #2**.

### Background with Coordination with the FRC.

In end of 2013 I got together with friends and founded a club (FSG) to get a 220 MHz Band repeater on the air in Tampa Bay for general amateur radio use. We purchased a already on the air coordinated repeater system from another group known as "West Central Florida Group, Inc.". As this was already coordinated on the air in the Tampa Bay area it should have been a matter of notifying the FRC to change the coordination to our name.

The prior owners wrote the FRC coordinator (Dana) on my behalf and asked that it be changed in December 2013. This was stymied by Dana with requests for information over weeks, with half answers. Check my emails with Dana as **reference #3** for an example of this.

During this period I attended a FRC members meeting at the Orlando Fair grounds in February 2014, imploring them to act on this. I was told to sit down and "shut up", even though I had followed procedure and applied to be on the agenda. The secretary refused to recognize my request, which is in violation of the bylaws/Roberts Rules of Order.

During this meeting a vote was held by the board, reelecting the board. I found this funny, but it was accepted and they moved on. I do wish I'd been more familiar with the bylaws at the time as the members must elect the board.

On 11-May-2014 Dana Rodakis finally issued coordination for the repeater we'd purchased in December 2013! This was over 6 months for some basic paper work. This coordination is attached as **reference #4**

During this time we acquired other repeaters on the 440 and 900 MHz bands. We attempted to coordinate these repeaters and we asked for information the FRC was not permitted to ask for under its coordination policy. They objected to the antenna patterns we used, but attempts to get them to clarify their technical standards were met with silence. See **reference #5 and #6** for this. They keep asking for enclosing streets and other information above what is required in the written coordination policy section #11.

On 9-Apr-2016 I attended the Tampa Amateur radio club's tail-gate swapmeet. During this I ran into Mike Fletcher, district 4 director of the FRC. As we are both members I approached him as a concerned member of the organization. I raised my issues and implored them to follow their by-laws as written or explain their technical requirements. I was told to shut up, and that "I (Mr. Fletcher) wrote most of the bylaws

and I don't need some kid to recite them to me". I quipped back, "if you wrote them why can't you follow them?" I explained how this was a serious violation of how a member's organization should work, and that it was offensive to me as a member. He said, "we can do what we want as the board, it's only a suggestion for us to follow the by-laws".

At this point I realized I was arguing with someone who didn't possess the ability to reason and I walked away.

As I was unable to get anywhere with the FRC and further was told by Dana to not contact them again. I've enclosed this as **reference # 7**. He emailed me back and I again asked him to follow their policy. This is **reference #8**.

At this time Mr. Fletcher called me in May and told me to quit contacting the FRC as they "don't give a fuck about me". I'm a member and they cannot choose to follow their policies or not. I do not have a recording of this call.

I availed myself to the remedies under FS 617 and made a members request of information to the board. As the website said this must go to the Secretary, Mr. Fletcher's home I sent it via USPS registered mail USPS 7016-0340-0001-0614-6256. This was returned as undeliverable on 20-Jun-2016. This is attached as **reference #9**.

As this letter was cc'd to the Board via email with return receipt requested, I received confirmations from the following board members they either read it or deleted it. Steve Lowman, Mike Gonzalez, and President of the board, Ray Kassis. This is **reference #10**

The FRC doesn't work in a prompt manner doing a disservice to amateur radio in the State Of Florida. Reference the website showing they have not processed renewals since May, and new coordinations since January! This is nothing but incompetence. The website print out is attached as **Reference #11**

In September 2016 the FRC coordination database was posted online. I saw this as a SQL table and loaded it into mysql. This contained all the locations of each repeater in the state along with the contact information on each repeater. The source for this was from Directors Lavender and Rodkis webserver, and posted on a public website for all to see. They have since removed it.<sup>2</sup>

This was later this was posted on the website Reddit where some kind user converted it to a KML file enabling us all to download it in Google earth.<sup>3</sup> Printouts of this are attached as **Reference #12**

What is most shocking in this is all repeater coordinations expire before the meeting in October! This means no one may vote, and the board members cannot convene.

---

<sup>2</sup> [https://www.reddit.com/r/amateurradio/comments/543dab/florida\\_repeater\\_council\\_database/](https://www.reddit.com/r/amateurradio/comments/543dab/florida_repeater_council_database/)

<sup>3</sup> <https://bpaste.net/raw/c6a3b194ef6b> - Save as FRC-dump.kml

## Parting thoughts

I will be attending the meeting in Melbourne, Saturday Oct 8. Please join me if you wish to put an end to this silliness. If you cannot be there, please use the proxy form below.

We must come together as people passionate about amateur radio and work to reform the FRC into an organization which does not expose itself and its directors to liability through their own incompetence. We must transform into an organization where communications are open and policies followed.

If this cannot be done, the FRC must be dissolved.

## References

1. Florida Repeater Council by-laws
2. Florida Repeater Council Repeater Coordination Policy
3. Example email from Dana Rodakis during coordination of a repeater in Jan 2014
4. Coordination grant for 224.280 Repeater dated May 11, 2014
5. Email from Dana Rodakis demanding new information which is not required under the coordination policy
6. Emails from Mike Flecher and Dana Rodakis again showing they are making up new coordination requirements not listed in the written policy
7. Email from Dana Rodakis telling me to not contact the council again.
8. Email from Dana Rodakis responding he is now requiring information not specified in the coordination policy once again.
9. Members information request to the secretary returned undelivered
10. Email return receipts from board members and president of FRC showing they read the information request email cc'd to them.
11. Print out of FRC website on 9/23/2016.
12. Google earth dump of FRC Database

## Proxy Form

I \_\_\_\_\_,  
a current member of the Florida Repeater Council, a Florida Non-for-Profit Corporation, do hereby appoint **Bryan Fields, W9CR** to act as a proxy at **the FRC members and director meeting.**

**Bryan Fields, W9CR** shall have the full power of my vote as permitted under FS 617.

This appointment of proxy remains in effect until December 31, 2016.

Signed: \_\_\_\_\_

Date: \_\_\_\_\_

Please fill in your name and call on the first line and then sign and date it.

Please scan and email or even a legible camera phone picture works.

Please submit to [bryan@bryanfields.net](mailto:bryan@bryanfields.net) or sms to 727-409-1194

# Exhibit #1-001

## Florida Repeater Council

---

### By-Laws

Proposed to Board FEB 14, 2015 – Adopted by Board October 10, 2015

---

- ARTICLE I - Name
  - ARTICLE II - Purpose
  - ARTICLE III - Members
  - ARTICLE IV - Voting
  - ARTICLE V - Board of Directors
  - ARTICLE VI - Officers
  - ARTICLE VII - Meetings
  - ARTICLE VIII - Audit
  - ARTICLE IX - Binding Actions
  - ARTICLE X - Disbursement of Funds
  - ARTICLE XI - By-Law Amendments
  - ARTICLE XII - Requirements
- 

#### ARTICLE I - Name

**Section 1.1** This organization shall be known as the Florida Repeater Council., hereinafter referred to as FRC.

---

#### ARTICLE II - Purpose

**Section 2.1** The FRC is a non-profit corporation whose sole purpose is frequency spectrum management and repeater coordination under the Amateur Radio Service-Part 97 of the Federal Communications Commission rules and regulations for the HF, VHF, UHF and Microwave Amateur Radio bands in the State of Florida. To set the technical and operational standards and policies required to operate amateur radio Repeater stations in the State of Florida. To minimize, within current technology, radio interference between and among repeater stations. To fairly and equally represent the owners and users of repeater stations throughout the State of Florida. To interface with the Federal Communications Commission, American Radio Relay League, and other such government agencies, as necessary.

# Exhibit #1-002

---

## ARTICLE III - Members

**Section 3.1** Membership in the FRC shall be open to those persons licensed in the Amateur Radio Service Part 97 of the Rules and Regulations of the Federal Communications Commission to operate an Amateur repeater station which holds a valid coordination issued by the FRC.

**Section 3.2** Eligible persons as defined in Section 3.1 of these By-Laws, shall become members upon the submission of an application to the FRC and the payment of the first annual dues as specified in section 3.3 and approval by the Board. To maintain membership, each member must remain qualified for membership as designated in Section 3.1 and these By-Laws and remain current in the payment of dues as provided in Section 3.3.

**Section 3.3** The annual dues payable to the FRC by members shall be in such amounts as determined by resolution of the Board of Directors. Dues shall be payable for the first year on admission to membership and annually thereafter at such time or times as may be fixed by the Board of Directors.

**Section 3.4** An individual may only hold a single membership in the FRC. A member will be designated a member of a particular FRC district based on the members personal Amateur Radio Service license address listed on the FCC database.

**Section 3.5** A member of the FRC shall not be solely or partially, because of such membership, personally liable for the debts, obligations, or liabilities of the FRC.

**Section 3.6** Neither membership in the FRC, nor any rights in the membership, may be transferred for value or otherwise.

**Section 3.7** The membership of any member of the FRC shall be terminated for any of the following reasons:

- (a) Upon receipt of such member's written, signed request for such termination.
- (b) Failure of any member to pay dues within sixty (60) days of due date.
- (c) Failure to abide by the By-Laws of the FRC or the conditions set by the sanction of the repeater coordination. Said member shall be given thirty (30) days written notice of the termination stating the reasons and a timely opportunity to be heard on the termination. The notice shall be sent by certified mail to the last known address in the records of the FRC. The opportunity to be heard may, at the election of said member, be in person or in writing.
- (d) Upon any adverse action by an enforcement agency for a violation of Amateur Radio Service Part 97 of the Federal Communications Commission's rules and regulations involving an Amateur repeater.
- (e) For the loss of one's operating license under the Amateur Radio Service Part 97.
- (f) For the conviction of any felony.

**Section 3.8** Neither membership in the FRC, nor the payment of membership dues shall be a prerequisite for repeater coordination.



# Exhibit #1-003

---

## ARTICLE IV - Voting

**Section 4.1** The term "vote" in ARTICLE IV shall refer to the process of electing a director from all respective districts.

**Section 4.2** Each member shall be entitled to one (1) vote.

**Section 4.3** Members entitled to vote may vote in person at a duly called annual meeting or by written ballot as designated by the Board.

---

## ARTICLE V - Board of Directors

**Section 5.1** The Board of Directors for the FRC shall consist of a minimum nine (9), not to exceed twenty-one (21), as representatives. The term of office for all Directors shall be two (2) years.

**Section 5.2(a)** The Districts for the Board of Directors have been segregated by Counties and repeater number density. Click [HERE](#) for a district listing and map

**Section 5.2(b)** The FRC, in order to fairly and equally represent the owners and repeater stations throughout the State, will readjust district boundaries as necessary.

**Section 5.3** The Board of Directors shall be responsible for administering the FRC's activities in accordance with the needs of the membership subject to the responsibilities and restrictions contained in these By-Laws and the FRC's Coordination and De-Coordination Policies.

**Section 5.4** Election of Directors.

(a) The term for a director of the Board will be two (2) years. An election of eligible members of the Board will be held each January. The odd-numbered Districts will elect in even-numbered years, while the even-numbered Districts will elect in odd-numbered years.

(b) The President shall appoint a nominating committee prior to October first of each year. The nominating committee shall submit its nomination for vacant and expiring Director Positions to the Secretary by November 30. The nominees must be eligible to serve as a Director as stated elsewhere in these By-Laws.

(c) A candidate for Director may submit a nominating petition stating the candidate's name, call sign, and the District in which he is a candidate. The District Director must reside within the District in which he is a candidate. This petition shall be signed by the candidate. Additionally, there shall be five (5) other signatures and call signs representing FRC members in good standing within the same FRC district who support the nomination of the petitioning candidate. These additional signatures can be on the same or separate documents providing the nominating petition is submitted with all the required names and signatures in one package. The completed nominating petition must be submitted to the Secretary of the FRC no later than November 30, immediately prior to the scheduled election. The Secretary shall validate the petition and if accepted shall present the candidate for ballot as described in (e).

(d) Nominees must be bona fide licensed Amateur radio operators with interest in maintaining a cohesive and organized structure to the Amateur spectrum utilization plan set by the FRC's Coordination Policy.

# Exhibit #1-004

(e) Up to two directors shall be elected for each district. The Secretary shall mail written ballots to the eligible members in good standing in each contested district by January 5. Ballots must be received by the Secretary by January 20. The secretary shall have the ballots counted in such a way that assures fairness. The winner of the election of each District shall be elected by plurality. Such newly elected directors shall take office at the beginning of the annual meeting.

(f) In the event that there are no nominations for a District Director in accordance with (b) or (c) then the president shall present the name of a qualified member from that District for election by the Board at the Annual Meeting.

**Section 5.5** In the event a Director is unable to complete his/her term for any reason, the President shall appoint a temporary director who will serve until the next scheduled district election is to be held.

**Section 5.6** A Director shall be removed from office:

(a) Upon presentation of petitions to the Board of Directors signed by at least 51% of the members of that district to generate a new election in the respective district,

(b) Upon a 2/3's vote of the remaining Directors,

(c) Upon revocation or suspension of an Amateur radio license, conviction of any felony, or any long term disability that prevents a Director from carrying out his/her duties for a period greater than six (6) months.

(d) Failure of a Director to attend two (2) consecutive scheduled board meetings shall cause the automatic removal of the Director. The President shall appoint a successor as provided in the By-Laws.

**Section 5.7** A Director shall appoint a Vice-Director. The Vice-Director shall have no vote or arbitration power at any meeting of the FRC. However, in the absence of the Director, the Vice-Director will have the authority to represent the respective Director at any meeting of the FRC and carry the proxy vote of the respective Director.

**Section 5.8** The Board of Directors will be responsible for conducting all of the business of the FRC. All business, arbitration, and coordination policies enacted by the Board of Directors will be by a majority vote of the Directors.

---

## ARTICLE VI - Officers

**Section 6.1** The officers of the FRC shall be the following: President, Vice-President, Secretary, and Treasurer.

**Section 6.2** The President, Vice-President, Secretary and Treasurer will be elected by a majority vote of the Board of Directors at the annual meeting.

(a) A nominating committee chairperson will be selected by the President. This appointment will take place no earlier than one-hundred eighty (180) days and no later than ninety (90) days prior to the annual meeting.

(b) The Chairperson shall be responsible for selecting a committee of not less than three (3) individuals to collect the nominations for President, Vice-President, Secretary and Treasurer.

(c) The list of nominees shall be presented in writing to the Board of Directors not less than thirty (30) days prior to the date of the annual meeting. Upon presenting the list of nominations to the Board of Directors no further nominations will be accepted.

# Exhibit #1-005

**Section 6.3** All appointments made by the President shall be subject to a majority vote of the Board of Directors.

**Section 6.4** The President shall have the following responsibilities:

(a) The President will appoint the Database Manager and Frequency Coordinator(s), within thirty (30) days of his/her assuming office. The existing appointees shall remain until the new appointees assume their duties.

(b) The President is the General Manager and Chief Executive Officer of the FRC and will control and conduct all of the meetings of the FRC.

**Section 6.5** The President shall be a member of the Board of Directors.

---

## ARTICLE VII - Meetings

**Section 7.1** Annual Directors Meeting.

(a) The FRC shall hold an annual meeting during the first quarter of each calendar year. The time & place for the annual meeting will be established by the Board of Directors and called by the President of the FRC.

(b) Notice shall be given to the general membership at least sixty (30) days prior to the annual meeting by posting of such notice on the main page of the FRC website.

(c) A Quorum (a majority of Directors plus the President or Vice-President) must be present for a meeting to be held.

(d) The Robert's Rules of Order, as may be amended from time to time, shall govern the meeting of FRC members insofar as such rules are not inconsistent with or in conflict with these By-Laws, the Articles of Incorporation, or the law.

**Section 7.2** Board of Directors Meetings:

(a) The FRC Board shall meet at least 4 times per year. The annual meeting of Directors shall be held after the Annual meeting of the membership each year at a location designated by the Board. 3 additional meetings held approximately quarterly, at a place and time designated by the Board. The 3 additional meetings may be on-site or teleconference. The FRC President or any three Directors may call a meeting of the Directors at any time that it is deemed necessary.

(b) Notice will be given each Director at least thirty (30) days prior to a Board of Directors meeting that has been called, except in emergencies.

---

## ARTICLE VIII - Audit

**Section 8.1** It shall be required that an audit committee be appointed by the Board of Directors from the membership to audit the financial records at least once per fiscal year. A report of the books authenticity shall be presented by the committee at the annual Directors meeting.

---

# Exhibit #1-006

## **ARTICLE IX - Binding Actions**

**Section 9.1** All actions passed by a vote of the FRC within the authority if these By-Laws shall be considered binding on all members as the policy of the FRC.

---

## **ARTICLE X - Disbursement of Funds**

**Section 10.1** Should the FRC dissolve the corporation or disband, the remaining funds from the treasury shall be donated to an IRS recognized 501c.3 entity selected by the Board.

---

## **ARTICLE XI - By-Law Amendments**

**Section 11.1** These By-Laws may be amended by a seventy-five (75) percent vote of the Board of Directors at the Annual Meeting or a specially called meeting. Published notification of intent to amend the By-Laws must be provided on the FRC website at least 30 days prior to the date of the meeting where such amendments will be considered.

---

## **ARTICLE XII - Requirements**

**Section 12.1** A print out of the FRC repeater database shall be sent prior to the deadline to the A.R.R.L., annually.

---

*Latest update: 14 February 2015. See top.*

# Exhibit #2-001



FLORIDA REPEATER COUNCIL, INC.  
<http://florida-repeaters.org/>

**Amateur Repeater Coordination Policy**  
Revised October 23, 2014  
See revision history at the end

1. The Florida Repeater Council, Inc. (FRC) is the ARRL recognized amateur frequency coordinating agency for the State of Florida.
2. The FRC provides frequency coordination and interference resolution services to all Florida repeater operators, FRC members and non-members alike.
3. The FRC coordinates only one type of fixed amateur transmitting system in those amateur band segments in which such a system is authorized by the Federal Communications Commission (FCC). That system is a repeater. The FRC at this time does not coordinate link or control transmitters but is requesting this information to assist in frequency/interference conflicts and any new 441/446 coordinations.
4. The FRC protects groups of frequencies for Packet Radio, and has appointed a representative from the digital community to assist in allocating digital systems within these groups of frequencies.
- 5a. The FRC issues repeater pairs according to the following spectrum utilization plan: (See our Band Plans for guidance).

**29 MHz:** The FRC does not coordinate 10-Meter frequencies, but it will list all 10-Meter repeaters desiring to be included in the *ARRL Repeater Directory and Travel Plus CD*.

**50 MHz:** 51-52 MHz, -500 kHz offset on even raster with 20 kHz channel spacing; 52-54 MHz, -1000 kHz offset on odd raster with 20 kHz channel spacing. All channels Low in/High out.

**144 MHz:** +600 kHz offset with 15 kHz channel spacing above 147 MHz; -600 kHz offset with 15 kHz channel spacing below 147 MHz, Narrow Band repeaters are permitted on 7.5 kHz channels between the existing 15 kHz channels.; -600 kHz offset with 20 kHz channel spacing below 146 MHz. Narrow Band repeaters are permitted on 10 kHz channels between the existing 20 kHz channels and on 7.5 kHz channels between the existing 15 kHz channels. The frequency pair 146.550 MHz (output), 147.550 MHz (input) is allocated statewide for transportable, temporary repeaters used only for emergencies.

**222 MHz:** -1.6 MHz offset with 20 kHz channel spacing. Low in/High out **ONLY**.

**440 MHz:** +5.0 MHz offset with 25 kHz channel spacing. High in/Low out **ONLY**.

12.5 kHz channels may be assigned for Narrow Band systems. Coordinations in the frequency range 440.000 – 441.975 (out) / 445.000 – 446.975 (in) are allowed in all districts. Due to existing voice and data links, coordinations in this range are always conditional; the repeater must not operate in carrier squelch and a sub-audible encoded squelch system (e.g. CTCSS, DCS, P25 NAC, etc.) is required; transmitter output power is limited to 50 watts; and antenna height is limited to 100 feet above ground level.

**902 MHz:** -12.0 or -25.0 MHz offset with 12.5 or 25 kHz channel spacing. Low in/High out **ONLY**.

**1240 MHz:** -12.0 MHz (and -20.0 MHz alternate) offset with 25 kHz channel spacing. Low in/High out **ONLY**.

# Exhibit #2-002

5b. The FRC will only coordinate “Wide Band” repeaters on the existing frequencies that were previously allocated for wide band repeater use in the FRC 144-148 and 430-450 MHz Band Plan prior to 1-1-2011.

*This means no wide band systems on the NEW Narrow Band channels.*

5c. No New “Wide Band” coordination will be issued after 1-1-2020 unless the applicant provides suitable documentation to show sufficient need for such New “Wide Band” systems based on user demand or other advanced technology experimentation.

5d. The FRC will continue to renew a wide band coordination which expires after 1-1-2020 if the repeater operator provides information to the FRC board showing a reasonable need to continue to serve legacy “Wide Band” users.

5e. The FRC may coordinate “Narrow Band” repeaters on any frequency allocated for repeaters in the FRC Band Plan in the 144-148 and 430-450 MHz bands. This will allow assignment of the frequencies located between the existing repeater pairs for “Narrow Band” systems such as D-STAR, P-25 or narrow FM repeaters.

5f. FRC will only issue a new or modified coordination on the newly created pairs provided the proposed system meets the new part 90 requirements as “Narrow Band” or less than 2.5 kHz deviation. These systems will require a minimum adjacent-channel separation of 30 miles between 12.5 or 15 kHz spaced channels, 35 miles between 10 kHz or 7.5 kHz channels where both are Narrow Band and 50 miles between 10 kHz or 7.5 kHz channels when either is Wide Band.

6. The FRC will not honor requests for non-standard pairs (per Paragraph 5), or for more than one input or output frequency per band on any one repeater.

7. Upon application for coordination the applicant shall designate the Individual or Entity that shall be considered the "Holder of the Coordination" this is the party that controls the coordination and has the authority to change the trustee or "Holder" information, transfer or relinquish the coordination. The Licensee if an individual or Trustee if a club call sign, of an FRC coordination must be a person who holds a valid license under the Amateur Radio Service Part 97 of the Federal Communications Commission Rules and Regulations. This is the Amateur Licensee who is responsible for the proper technical and operational use of the repeater. The licensee's call sign will identify that repeater on the air, except when the repeater is a club station identifying with the club's call sign, in which case the FCC-recognized trustee of the club station is the licensee. The applicant may designate an Entity that shall be considered the "Sponsor", this is the club or other organization that uses and/or supports the repeater but shall have NO AUTHORITY to make changes to the coordination. The Sponsor information will be provided to the ARRL repeater Directory for publication.

All requests for new coordination, or changes in coordination to reflect changes to the designated “Holder”, “Trustee”, frequency or geographical location must be submitted over the signature of the “Holder” and submit such documentation as may be required to authenticate such request. Requests for changes to technical specifications must be submitted in writing over the signature of the licensee or Trustee. The frequency coordination document shall be emailed to the applicant. The FRC may request verification in writing by a principal officer of the club or other “Holder”.

If ANY technical changes are made to a repeater that alters the location, antenna height, coverage pattern or ERP then the coordination will be treated as a NEW coordination. The FRC may require a repeater operator to agree to antenna height or pattern restrictions, ERP limitations, the use of a tone or digital squelch system or other access control methods, or all of the above as a condition of coordination.

8. SEPARATION. All coordinations are issued with the co-channel spacing or “radius of protection” listed in Table 8.1. The FRC will consider both the separation required of a proposed repeater and the required separation from all existing coordinated co and adjacent channel repeaters as applicable. Coordinations are issued with a minimum adjacent-channel separation of 30 miles between 12.5 or 15 kHz spaced channels, 35 miles between 10 kHz or 7.5 kHz channels where both are Narrow Band and 50 miles between 10 kHz or 7.5 kHz channels when either is Wide Band. There are no minimum adjacent-channel separation requirements where the frequencies are separated by 20 kHz or more but a new system must avoid creating harmful interference to an existing adjacent channel system.

# Exhibit #2-003

TABLE 8.1 Minimum Co-Channel Separations

Height of Repeater Antenna above average terrain (feet)	Minimum Co-Channel Separation (Radius of Protection) (miles)		
	144 MHz	220 & 440 MHz	All other bands
50 to 200	65	50	85
201 to 300	70	60	85
301 to 500	80	70	85
501 to 700	90	80	85
701 to 1000	100	90	85
1001 to 1500	140	110	85
1501 to 2000	160	125	85

Coordinations will be issued for Narrow Band repeaters in the 2 meter and 70cm bands on frequencies and with spacing as designated for Narrow Band operation in the FRC band plan. These will be issued for Narrow Band FM or Digital repeaters only if the maximum deviation of the repeater output does not exceed 2.5 kHz and the transmitter otherwise meets the modulation specifications for part 90 Narrow Band systems.

Repeaters that are deployed as mixed-mode, that are capable of both analog and digital modulation, must request a Wide Band allocation unless the system uses only narrow band emission for both analog and digital modes. When coordination is requested as digital or narrow band FM only, then a narrow band coordination will be issued if available unless the applicant provides suitable justification for use of a wide band allocation.

8a. An alternative to the arbitrary separation-distance method for coordinating frequency pairs exists when it can be shown that somewhat shorter separation distances will provide satisfactory interference-free operation. This alternative method will be considered on a case-by-case basis. This alternate method of coordination will also include consideration of antenna heights and ERP of all repeaters geographically involved. The success or failure of such operation will be determined experimentally on a trial basis after issuing a 6-month conditional coordination to the applicant. If the experimental repeater operation produces acceptable interference-free operation, then upon application, the conditional coordination will be upgraded to full coordination; if not, the conditional coordination will be rescinded, and another frequency search can begin.

8b. An applicant desiring coordination on a frequency at less than the required spacing may submit a fully executed "Close Spacing Agreement" between the applicant and ALL affected co and adjacent channel trustees.

8c. UNCOORDINATED repeaters including previously coordinated repeaters which have expired and passed the grace period for renewal may not be considered in the processing of coordination requests.

9. NO technical or geographical changes may be made to a coordinated repeater installation, such as effective radiated output power (ERP), antenna height, or location, without prior approval by the FRC. Any unauthorized changes could result in an immediate de-coordination. If technical changes are required the applicant shall submit a complete application for New Coordination also noting the items to be modified. Upon granting of the modified coordination the previous coordination shall be cancelled.

10. When either the licensee or owner of a coordinated repeater changes, the FRC, upon proper application, including proof of transfer acceptable to the FRC, will re-coordinate the frequency pair to the new licensee or owner, providing there have been no modifications to the technical or geographical specifications. If modified coordination specifications are proposed, an application for new coordination must be submitted along with the proof of transfer acceptable to the FRC. The FRC does not guarantee the transfer of an existing coordination; a new application must be filed and processed in due course. Should the new application fail to be approved the incumbent coordination is unchanged except as provided elsewhere in the FRC policies.

11. To apply for a new or changed coordination the following information must be submitted to the FRC on an FRC New Coordination Application form:

# Exhibit #2-004

- a. The Name, address and contact information of the Individual or Entity that shall be considered the "Holder of the Coordination" this is the party that controls the coordination and has the authority to change the trustee or "Holder" information, transfer or relinquish the coordination.
- b. The Name, address and contact information of the licensee or Trustee if a club call sign, mailing address, home and work telephone numbers and email address. This is the Amateur Licensee who is responsible for the proper technical and operational use of the repeater.
- c. The Name, address and contact information of the Entity that shall be considered the "Sponsor", this is the club or other organization that uses and/or supports the repeater but shall have NO AUTHORITY to make changes to the coordination.
- d. Specific frequency pair applied for.
- e. Proposed location of the repeater: city, county, FCC antenna site registration number, latitude and longitude. The latitude and longitude must be stated in the standard form for indicating geographical coordinates in degrees, minutes and seconds, for example, 25° 28' 10 N, 80° 14' 23 W. Do NOT use decimal degrees.
- f. All repeater features, such as open, autopatch, Tone, digital or other access method, RACES, etc. If requested, the access tone or codes will not be published.
- g. Proposed antenna height and effective radiated output power (ERP). The application form used for coordination contains instructions for calculating ERP from known transmitter output power, duplexer loss, feed line loss and antenna gain.

12. When a new repeater coordination is approved, a conditional, non-renewable, six-month coordination will be issued. Once the District Director and Coordinator are notified that the repeater is in-service by the filing of a repeater update form, a full two-year coordination will be granted. A repeater will be considered uncoordinated on the expiration date of the coordination, even if the repeater is still in-service. It is solely the repeater licensee's responsibility to renew the coordination before its expiration date if they wish to remain coordinated. If the two-year coordination expires it may still be renewed during a six-month grace period after the expiration date. If the coordination is not renewed during the six-month grace period, the pair will become immediately available to be reissued without notice. After the six-month grace period a new application for repeater coordination must be filed if a coordination is desired. Effective 1/1/2004, no new or renewal repeater coordinations will be granted without an expiration date. A coordination will not be renewed if the repeater is not in-service unless upon timely application to the FRC, an exception or extension is granted by the FRC Board of Directors in the event a repeater is under repair or is relocating. Expired repeater coordinations will be listed on the FRC web site, <http://florida-repeaters.org> as a courtesy to Trustees. The failure of the FRC to list an expired coordination does not relieve the trustee or "Holder" from the responsibility of timely renewing their coordination.

13. The FRC will not honor any request for an UNLISTED pair. It is the policy of the FRC to furnish to the ARRL all coordinated repeater pairs for publication in the ARRL Repeater Directory, except as noted in paragraph 15. This policy assists in maintaining the integrity of the frequency utilization plan. Link and control frequencies are not published but may be made available to FRC Staff and Directors as necessary.

14. The following information will be published in the Repeater Directory: input and output frequencies, location, callsign, sponsor and features. All other information will be held strictly CONFIDENTIAL.

15. A requirement for listing repeaters in the ARRL Repeater Directory is the submission of any required repeater coordination renewal. Due to the many issues involved in the production of repeater listings the FRC can not guarantee that any or every coordinated repeater will be listed in the repeater directory. To qualify for the Directory listing the coordination must be current in the FRC Data Base on December 1 to meet the following year directory publication deadline.

16. FRC policies regarding interference between repeaters are in accordance with FCC rulings and guidelines, as follows:

- a. If an uncoordinated repeater causes harmful interference to a coordinated repeater, the primary responsibility for correcting the interference rests with the operator of the uncoordinated repeater.
- b. If both systems are coordinated, the FRC will determine who bears the primary responsibility for correcting the interference.
- c. If a repeater operator changes the location, antenna height, ERP, or other parameters of his system in a manner which causes harmful interference to other repeaters, that repeater operator bears the primary responsibility for correcting the interference, and possibly becomes subject to the requirement for recoordination. (See paragraph 9)



# Exhibit #2-005

17. The FRC may de-coordinate a repeater under the following conditions:

- a. If a system is ordered permanently shut down by the FCC for any reason.
- b. If the operator of a system consistently violates good engineering practice by transmitting with excessive deviation (in excess of accepted standards for the band in which repeater is operating), with spurious emissions, or so far off-frequency as to cause harmful interference, and does not attempt in good faith to correct the problem within 60 days when notified by the FRC.
- c. When it has been determined by means of research (local Director unable to activate repeater using information in FRC database, local Director unable to establish contact with Trustee to verify repeater status) that a pair has been inactive for a period of 60 days without the submission from the Trustee of a satisfactory explanation for the inactivity in writing to the FRC.
- d. If a repeater is inoperative for more than 90 days without timely notice to the FRC of some extenuating circumstances, the coordination is automatically withdrawn. No individual or owner group is allowed to hold a frequency pair for future use.
- e. Any repeater that has not submitted a repeater coordination renewal form within the last 30 months (2 years term, 6 months grace) is cancelled. If mail sent to the latest address appearing in the FRC Data Base is returned undeliverable, and if the date of that address appearing in the data base is three or more years old, the coordination shall be cancelled immediately on the date the mail is returned. See paragraph 12.
- f. If the phone number or address of the licensee is changed, making immediate FRC contact with licensee impossible, the licensee must notify the FRC by submitting new or accessible phone number and address within 14 days; the FRC must be able to contact the licensee if a situation arises that needs his immediate attention. Failure to report such changes shall be grounds for decoordination. In addition, if a coordination is abandoned for any reason, the FRC must be notified within 14 days of the abandonment.

18. All known cases of apparent malicious interference will be forwarded to the FCC Field Office with jurisdiction over the area in which the source of the interference is located.

19. This procedure involves a series of escalating actions with the goal of receiving an acknowledgment from the Trustee that his/her repeater has been de-coordinated. Upon acknowledgement, the procedure will be considered successful and communications to the Trustee will cease. Acknowledgment can consist of an email from the Trustee, where he/she acknowledges that their repeater has been de-coordinated, or the return of the Signed Certified Return Receipt from the de-coordination letter. Verbal acknowledgement cannot be considered.

- a) All correspondence from the FRC to the Trustee will originate from the Secretary, with copies to the Frequency Coordinator, Database Manager, and the affected District Director.
- b) In the case where contact cannot be made with the Trustee, the return of the Certified Return Receipt letter to the Secretary as undeliverable will be deemed as sufficient notification was given to the Trustee.
- c) Costs incurred by the Secretary and affected Director(s) in the implementation of this procedure will be reimbursable. Secretary and affected Director(s) will forward appropriate expense documentation to the Treasurer, and President for reimbursement. The President and Treasurer must approve the expenses before the Treasurer can reimburse.
- d) Initial Communication to the Trustee EMAIL. Will consist of an email, using the email address provided on the last submission to the FRC, where the Secretary will notify the Trustee that his/her repeater has been de-coordinated. This email will be sent using the Read-Return Receipt flag. See Sample 1, DCOORD Email 1 in Appendix A.
- e) Secondary Communication WRITTEN LETTER. In addition to the email, and when an email address is not available, the Secretary will send a written letter via USPS to the address provided on the last submission to the FRC. See Sample 2 DECOORD Letter 1 in Appendix A.
- f) Secretary will wait 14 business days for an acknowledgement from the Trustee. If no acknowledgement is received, the Secretary will institute the "FINAL Communication to the Trustee".
- g) FINAL Communication to the Trustee" CERTIFIED RETURN RECEIPT LETTER. Will consist of a Certified Return Receipt letter sent through the USPS. Secretary will wait 14 business days for an acknowledgement

# Exhibit #2-006

from the Trustee. If no acknowledgement is received, the Secretary will send a Decoordination Request to The Database Manager, Frequency Coordinator, President, and the affected Director.

- h) Upon receipt of a decoordination request from the Secretary, the Board will have 15 days to convene, review, and vote on the Decoordination request. If approved the Coordinator will revoke the coordination and the Database Manager will change the records accordingly. Coordinator will send a communication to the FRC Staff and Directors announcing the decoordination.

20. The minimum antenna height for coordination is 50 feet measured between ground level and the top of the antenna. FRC may upon application coordinate a repeater at less than 50' AGL upon showing of high ground elevation or other special conditions.

21. All 144 and 440 MHz repeaters coordinated after January 1, 2003 are no longer approved to operate in Carrier Squelch and must support a tone, digital or other suitable access control method. If a CTCSS system is chosen it is strongly recommended that these repeaters choose the CTCSS frequencies recommended by the FRC for the respective district to prevent overlap with co-channel repeaters in adjacent districts, but they may choose other frequencies that aren't utilized in adjacent districts or other technologies such as Digital Coded Squelch (DCS). See our CTCSS info page on the FRC web site. Existing repeaters that choose not to utilize a sub-audible squelch system should not expect the FRC to resolve their interference problem if a sub-audible encoded squelch system would likely solve the problem.

22. New applications for coordination must specify the expected RF output power of the repeater transmitter. Federal Communications Commission Rule 97.313 (f) states that "No station may transmit with a transmitter power exceeding 50 W PEP on the 440 MHz band unless expressly authorized by the FCC and the military area frequency coordinator at the applicable military base." Any application submitted with a transmitter RF output power level (not ERP) greater than 50 watts must include written permission from the military frequency coordinator of Florida. Otherwise it will not be processed and returned to the applicant.

23. In order to allow for the timely processing of applications the FRC coordination committee may waive parts of these procedures where there is no detrimental impact on an applicant or existing trustee. Such waiver shall not create any special consideration for any future applications.

# Exhibit #2-007

Notes,

The following charts show the existing allocations and the frequencies that are added for Narrow Band under the band plan. Since the 145 MHz repeater allocations in Florida use 20 kHz spacing FRC will assign “Narrow Band” systems on 10 kHz spacing between the existing frequencies. The 146 and 147 MHz repeater allocations in Florida are spaced at 15 KHz. FRC will assign “Narrow Band” systems on 7.5 kHz between the existing frequencies. This does NOT require any relocation of existing repeater frequencies in the 2-meter repeater sub-band. Frequencies marked with an asterisk are reserved for D-STAR only.

EXISTING Wideband	NEW Narrow Band
145.1100	
	145.1200
145.1300	
	145.1400
145.1500	
	145.1600
145.1700	
	145.1800
145.1900	
	145.2000
145.2100	
	145.2200
145.2300	
	145.2400
145.2500	
	145.2600
145.2700	
	145.2800
145.2900	
	145.3000
145.3100	
	145.3200
145.3300	
	145.3400
145.3500	
	145.3600
145.3700	
	145.3800
145.3900	
	145.4000
145.4100	
	145.4200
145.4300	

EXISTING Wideband	NEW Narrow Band
146.6100	
	146.6175
146.6250	
	146.6325
146.6400	
	146.6475
146.6550	
	*146.6625
146.6700	
	146.6775
146.6850	
	146.6925
146.7000	
	146.7075
146.7150	
	146.7225
146.7300	
	*146.7375
146.7450	
	146.7525
146.7600	
	146.7675
146.7750	
	146.7825
146.7900	
	146.7975
146.8050	
	*146.8125
146.8200	
	146.8275
146.8350	
	146.8425
146.8500	

EXISTING Wideband	NEW Narrow Band
147.0000	
	147.0075
147.0150	
	147.0225
147.0300	
	*147.0375
147.0450	
	147.0525
147.0600	
	147.0675
147.0750	
	147.0825
147.0900	
	147.0975
147.1050	
	*147.1125
147.1200	
	147.1275
147.1350	
	147.1425
147.1500	
	147.1575
147.1650	
	147.1725
147.1800	
	*147.1875
147.1950	
	147.2025
147.2100	
	147.2175
147.2250	
	147.2325
147.2400	

# Exhibit #2-008

EXISTING Wideband	NEW Narrow Band
	145.4400
145.4500	
	145.4600
145.4700	
	145.4800
145.4900	

EXISTING Wideband	NEW Narrow Band
	146.8575
146.8650	
	146.8725
146.8800	
	*146.8875
146.8950	
	146.9025
146.9100	
	146.9175
146.9250	
	146.9325
146.9400	
	146.9475
146.9550	
	*146.9625
146.9700	
	146.9775
146.9850	
	146.9925

EXISTING Wideband	NEW Narrow Band
	147.2475
147.2550	
	*147.2625
147.2700	
	147.2775
147.2850	
	147.2925
147.3000	
	147.3075
147.3150	
	147.3225
147.3300	
	*147.3375
147.3450	
	147.3525
147.3600	
	147.3675
147.3750	
	147.3825
147.3900	

# Exhibit #2-009

EXISTING Wideband	NEW Narrow Band
442.0000	
	442.0125
442.0250	
	442.0375
442.0500	
	442.0625
442.0750	
	442.0875
442.1000	
	442.1125
442.1250	
	442.1375
442.1500	
	442.1625
442.1750	
	442.1875
442.2000	
	442.2125
442.2250	
	442.2375
442.2500	
	442.2625
442.2750	
	442.2875
442.3000	
	442.3125
442.3250	
	442.3375
442.3500	
	442.3625
442.3750	
	442.3875
442.4000	
	442.4125
442.4250	
	442.4375
442.4500	
	442.4625

EXISTING Wideband	NEW Narrow Band
443.0000	
	443.0125
443.0250	
	443.0375
443.0500	
	443.0625
443.0750	
	443.0875
443.1000	
	443.1125
443.1250	
	443.1375
443.1500	
	443.1625
443.1750	
	443.1875
443.2000	
	443.2125
443.2250	
	443.2375
443.2500	
	443.2625
443.2750	
	443.2875
443.3000	
	443.3125
443.3250	
	443.3375
443.3500	
	443.3625
443.3750	
	443.3875
443.4000	
	443.4125
443.4250	
	443.4375
443.4500	
	443.4625

EXISTING Wideband	NEW Narrow Band
444.0000	
	444.0125
444.0250	
	444.0375
444.0500	
	444.0625
444.0750	
	444.0875
444.1000	
	444.1125
444.1250	
	444.1375
444.1500	
	444.1625
444.1750	
	444.1875
444.2000	
	444.2125
444.2250	
	444.2375
444.2500	
	444.2625
444.2750	
	444.2875
444.3000	
	444.3125
444.3250	
	444.3375
444.3500	
	444.3625
444.3750	
	444.3875
444.4000	
	444.4125
444.4250	
	444.4375
444.4500	
	444.4625

# Exhibit #2-010

EXISTING Wideband	NEW Narrow Band
442.4750	
	442.4875
442.5000	
	442.5125
442.5250	
	442.5375
442.5500	
	442.5625
442.5750	
	442.5875
442.6000	
	442.6125
442.6250	
	442.6375
442.6500	
	442.6625
442.6750	
	442.6875
442.7000	
	442.7125
442.7250	
	442.7375
442.7500	
	442.7625
442.7750	
	442.7875
442.8000	
	442.8125
442.8250	
	442.8375
442.8500	
	442.8625
442.8750	
	442.8875
442.9000	
	442.9125
442.9250	
	442.9375
442.9500	
	442.9625

EXISTING Wideband	NEW Narrow Band
443.4750	
	443.4875
443.5000	
	443.5125
443.5250	
	443.5375
443.5500	
	443.5625
443.5750	
	443.5875
443.6000	
	443.6125
443.6250	
	443.6375
443.6500	
	443.6625
443.6750	
	443.6875
443.7000	
	443.7125
443.7250	
	443.7375
443.7500	
	443.7625
443.7750	
	443.7875
443.8000	
	443.8125
443.8250	
	443.8375
443.8500	
	443.8625
443.8750	
	443.8875
443.9000	
	443.9125
443.9250	
	443.9375
443.9500	
	443.9625

EXISTING Wideband	NEW Narrow Band
444.4750	
	444.4875
444.5000	
	444.5125
444.5250	
	444.5375
444.5500	
	444.5625
444.5750	
	444.5875
444.6000	
	444.6125
444.6250	
	444.6375
444.6500	
	444.6625
444.6750	
	444.6875
444.7000	
	444.7125
444.7250	
	444.7375
444.7500	
	444.7625
444.7750	
	444.7875
444.8000	
	444.8125
444.8250	
	444.8375
444.8500	
	444.8625
444.8750	
	444.8875
444.9000	
	444.9125
444.9250	
	444.9375
444.9500	
	444.9625

# Exhibit #2-011

EXISTING Wideband	NEW Narrow Band
442.9750	
	442.9875

EXISTING Wideband	NEW Narrow Band
443.9750	
	443.9875

EXISTING Wideband	NEW Narrow Band
444.9750	
	444.9875

## Revision History

Date	Changes
1/25/14	Paragraph 5a, changed “FRC Districts 1, 2 and 4 <b>ONLY</b> ” to “all districts”
10/1/2014	<p>Paragraph 17c, inserted “(local Director unable to activate repeater using information in FRC database, local Director unable to establish contact with Trustee to verify repeater status)” after “When it has been determined by means of research” and inserted “without the submission from the Trustee “ after “period of 60 days”.</p> <p>Moved paragraph 19 to new paragraph 17f.</p> <p>Inserted new paragraph 19 De-Coordinations.</p> <p>Miscellaneous formatting changes.</p>
10/23/2014	<p>Paragraph 5c, changed the date to 1-1-2020</p> <p>Paragraph 5d, clarified language.</p>

# Exhibit #2-012

## Appendix A – Sample De-Coordination Letters

### SAMPLE 1 DECOORD EMAIL 1

**From:** Marshall Paisner, Secretary FRC

**Sent:** Day, Month Day, Year Time

**To:** Name, Callsign

**Subject:** De-Coordination Notice for xxx.xxxx

Dear (Name, Call) Trustee,

Effective (Date), the Florida Repeater Council has de-coordinated your repeater in (City) operating on (Frequency).

Please acknowledge your receipt of this notification by replying to this email.

Please understand that your continued operation of this repeater, without coordination, could result in interference to another coordinated repeater.

Respectfully submitted.

Marshall Paisner, K4MAP  
Secretary, Florida Repeater Council

**cc: President FRC, Coordinator FRC, District Director X**



# Exhibit #2-013

## SAMPLE 2 DECOORD LETTER 1 FLORIDA REPEATER COUNCIL LETTER OF DE-COORDINATION

Date

CERTIFIED MAIL-RETURN RECEIPT

**NAME, CALL**  
**TRUSTEE XXX.XXXX REPEATER**  
**Address**  
**City, State, Zip Code**

Dear (Name,Call) Trustee,

Effective (Date), the Florida Repeater Council has de-coordinated your repeater in (City) operating on (Frequency).

Please understand that your continued operation of this repeater, without coordination, could result in interference to another coordinated repeater.

Respectfully submitted.

---

Marshall Paisner, K4MAP  
Secretary, Florida Repeater Council

cc: President FRC, Coordinator FRC, District Director X

**Subject:** Re: FRC New Coordination Application

**From:** Bryan Fields <Bryan@bryanfields.net>

**Date:** 3/2/14, 3:59 PM

**To:** Dana Rodakis <coord@florida-repeaters.org>

**CC:** dir4@florida-repeaters.org, Paul Toth-NB9X <ptoth1@tampabay.rr.com>

On 3/2/14, 3:02 PM, Dana Rodakis wrote:

Bryan,

I still show the NI4CE repeater coordinated in Riverview. I have not heard anything from their trustee.

Dana,

I thought this was resolved in December when WCFG de-corodinated this?

Paul Toth, NB9X wrote an email to the FRC regarding Florida Simulcast Group (me) buying the repeater system from them. I've cc'd him on here, Paul can you please send Dana what he needs to transfer this frequency to my group? Please CC me on anything too.

I've been monitoring and using 224.28 for simplex and can assure you there is no repeater on the frequency, least till we get ours up which should be in a couple months. I have everything tuned, but need to put it in a case and rack mount it.

73's

--

Bryan Fields

727-409-1194 - Voice

727-214-2508 - Fax

<http://bryanfields.net>

**Subject:** Re: FRC New Coordination Application  
**From:** Dana Rodakis <coord@florida-repeaters.org>  
**Date:** 3/2/14, 3:02 PM  
**To:** Bryan Fields <Bryan@bryanfields.net>  
**CC:** dir4@florida-repeaters.org

Bryan,

I still show the NI4CE repeater coordinated in Riverview. I have not heard anything from their trustee.

Dana Rodakis, K4LK  
Coordinator  
Florida Repeater Council

An ARRL recognized agency for frequency coordination.  
<http://florida-repeaters.org>

On Dec 23, 2013, at 12:53 PM, Bryan Fields <[Bryan@bryanfields.net](mailto:Bryan@bryanfields.net)> wrote:

Dana,

I have not seen a reply on this, we're still talking to our building people, and I've done some further research. There is no ASR # for the building. There is one for the antenna structure for the broadcast station on the roof, will that work?

As to the ERP request, what are the FRC standards for this? I can't find anything regarding any limits in 220 band in the Coordination Policy. If there is a standards document, I'd love to review it to ensure I'm in compliance.

I'd like to update my frequency request from 224.300 to 224.28/222.68. The reason for this is I've purchased a system that is already pre-tuned on this frequency from WVFG/NI4CE, and they have relinquished the frequency in the Tampa bay area. Their president Paul, NB9X is willing to certify they are off this frequency and it's unused if

that would help.

What is the time line for the application to be acted upon?

Merry Christmas and 73's,

On 12/15/13 8:34 PM, Bryan Fields wrote:

On 12/15/13 6:24 PM, Dana Rodakis wrote:

| Any antenna over 199 feet requires FCC registration. What is the ASRN for  
| your site?

Hmm, I'm not sure. I was not aware buildings required registration, but every building I've been on has had one. I know there was a former FM broadcast station on there, I'll have to see if my contact has the ASR number. Give me a couple days on this please.

| Why do you need over 700 watts ERP?

We don't really need anything, it's ham radio after all, it's a general request based on the gear we have.

Output from the PA is 250 Watts (+54dBm) into the filters. We expect to loose 3.5 dB in the filters and feed line. We're using a Telewave 6dBd (8.15 dBi) gain 4 element antenna, which gives 58.5 dBm of output or ~700w ERP.

Thank you,

--

Bryan Fields

727-409-1194 - Voice

727-214-2508 - Fax

<http://bryanfields.net>

# Exhibit #4-001



Dana G. Rodakis, K4LK  
Coordinator & Database Manager  
Florida Repeater Council, Inc.  
6280 Fairfield Avenue South  
St. Petersburg, FL 33707  
(727) 381-3344, [coord@florida-repeaters.org](mailto:coord@florida-repeaters.org)  
May 11, 2014

**Bryan Fields, KB9MCI**  
**501 80 Avenue N**  
**St. Petersburg Beach, FL 33706**

This is to inform you that your application for repeater pair **224.28 MHz (output) / 222.68 MHz (input)** in **Tampa, Florida** is approved as filed with the Florida Repeater Council (FRC).

**NEW COORDINATIONS ARE ISSUED FOR A PERIOD OF SIX (6) MONTHS TO ALLOW FOR SYSTEM CONSTRUCTION AND TESTING. YOUR COORDINATION EXPIRES ON THE DATE SHOWN IN THE ATTACHED LETTER AND DATABASE RECORD. WHEN YOUR REPEATER IS ACTIVE AND OPERATING AS COORDINATED, YOU MUST FILE A RENEWAL OR UPDATE. FAILURE TO FILE AN UPDATE OR RENEWAL WILL BE CONSIDERED ABANDONMENT OF THE APPLICATION AND YOUR COORDINATION WILL BE REVOKED. YOU MAY SUBMIT AN UPDATE TO REQUEST ADDITIONAL TIME FOR CONSTRUCTION STATING THE REASONS FOR THE DELAY. THIS REQUEST WILL BE SUBMITTED TO THE FRC BOARD FOR REVIEW BY EMAIL, PHONE OR LIVE VOTE AND YOU WILL BE ADVISED OF THEIR DECISION WITHIN 15 DAYS OF THE VOTE. YOU MAY SUBMIT AN UPDATE NOTIFYING THE FRC OF THE COMPLETION OF CONSTRUCTION AND THE ACTUAL OPERATING STATUS AND FEATURES OF THE REPEATER NOTING ANY CONDITIONS THAT DIFFER FROM THE ORIGINAL FILING. YOU MUST STATE THAT THE REPEATER IS ON THE AIR AND OPERATING AS FILED. THE BOARD OF DIRECTORS CAN DESIGNATE ANY DIRECTOR, EVEN ONE OF AN ADJACENT DISTRICT OR OTHER AREA OF THE STATE, TO VERIFY THE OPERATIONAL STATUS OF THE SUBJECT REPEATER. UPON PROCESSING OF THE UPDATE, IF THE SPECIFICATIONS MEET THE COORDINATED CONDITIONS AND NO OTHER ISSUES ARE FOUND THE FRC MAY ISSUE A 2 YEAR COORDINATION FOR THE REPEATER AS PROVIDED IN THE RULES.**

Coordinated location is **27 degrees, 56 minutes, 51.9 seconds north latitude** by **82 degrees, 27 minutes, 34.1 seconds west longitude**. Coordinated antenna height is **460 feet above ground level** and coordinated transmitter output power is **707 watts effective radiated power**. Coordinated mode(s) are **Wideband FM (5 kHz)** and **None**. This approval is based on your compliance with the Repeater Council's Coordination Policy Statement, and on review by your District Director. If you have not heard from the Coordinator or your Director within 30 days you may assume your coordination is approved. However, it is understood that this coordination is not a frequency assignment, a property right, or a legally binding contract. This coordination is only a recommendation by a volunteer group, the FRC, that the repeater parameters described in the coordination application are determined by the FRC Coordinator to be least likely to cause interference to other repeaters. It is a recommendation with respect to a particular station installation at only the geographical location indicated in the application. The authority vested in this coordination resides only in the Gentlemen's Agreement among Radio Amateurs to respect the frequencies stated herein by avoiding any intentional interference to the subject repeater station. A repeater station operated in compliance with this coordination is considered to be coordinated. If not, it is not coordinated.

The FRC Coordination Policy requires the new repeater to be operating within six months of the coordination date. If not then this coordination will be void and the frequency pair will revert back to the FRC for reissue. However, on written request from the licensee, a 60-day extension may be granted if an acceptable explanation shows that a reasonable effort is being made to put the repeater in operation. You must notify your **District Director Mike Fletcher, N14M at (813) 621-2333, or at [dir4@florida-repeaters.org](mailto:dir4@florida-repeaters.org)** when the repeater is installed and active. If I do not hear from your Director within six months of the coordination date, this coordination will expire. Frequency coordinations expire every **two** years and must be renewed by submitting updates to the FRC to keep us informed of the status of your repeater. Your coordination will expire on **11/7/2014**. If your coordination is not renewed with 6 months after the date of expiration then your coordination will be revoked even if your repeater is active. The frequency pair can be issued to another amateur at any time thereafter. If this occurs then you will be responsible for resolving the interference caused by your uncoordinated repeater.

Any change to your repeater installation that could affect any other repeater, such as an increase in power, antenna height, or location, **must** be approved by the coordinator **prior** to implementation of the proposed change. You are also reminded that FRC coordinations are not transferable, and that should you discontinue the use of the coordinated frequency pair, the FRC coordinator must be notified within 14 days. If your repeater is ever out-of-service for repairs or a loss of site for more than 14 days then notify the coordinator immediately to avoid loss of your coordination.

A copy of the FRC database is enclosed for your perusal. Any errors or omissions should be immediately reported to the coordinator. **Any change in address or phone number must be reported immediately.**

Good luck with your repeater. Should you need any further assistance please feel free to contact me.

Dana G. Rodakis, K4LK  
FRC Coordinator & Database Manager  
<http://florida-repeaters.org/>

**P.S.**

**Subject:** Re: FRC New Coordination Application

**From:** Bryan Fields <bryan@flscg.org>

**Date:** 4/17/16, 1:14 PM

**To:** Dana Rodakis <coord@florida-repeaters.org>

**CC:** Mike Fletcher <mike.fletcher@abbx.net>, Bod <bod@florida-repeaters.org>

On 4/17/16 1:13 PM, Dana Rodakis wrote:

> I told you a year ago that I needed the repeater address enclosing streets  
> and nearest roadways. A year later, you continue to tell me I don't need  
> that information.

Where are you permitted to ask for this information? It is not in your coordination policy or bylaws.

--

Bryan Fields, W9CR

Florida Simulcast Group, Inc.

# Exhibit #5-002

**Subject:** Re: FRC New Coordination Application  
**From:** Bryan Fields <bryan@flscg.org>  
**Date:** 4/2/16, 1:01 PM  
**To:** Mike Fletcher <mike.fletcher@abx.net>  
**CC:** Dana Rodakis <coord@florida-repeaters.org>

Does the FRC plan on acting on this, and if not, why? Please cite the exact part of the standards you are denying this under if so.

I have asked for technical standards the FRC uses that are not documented on your website and have not received them to date.

I'm still waiting on official action on 927.050, 927.025 and 443.525 to be officially coordinated.

927.025 has been pending for over a year. This is either incompetence or malice.

On 3/6/16 10:32 AM, Mike Fletcher wrote:

> This should be OK, it is 77 ± miles from the Orlando co-channel. This  
> system is good for up to a 70 mile protection area.  
> Since the height and ERP as filed are high and a directional antenna is  
> proposed the committee will have to review the filing and see if the pattern  
> and ERP as proposed clears the 70 mile spacing.  
>  
> Mike  
> D4  
>  
> -----Original Message-----  
> From: [bryan@flscg.org](mailto:bryan@flscg.org)  
> Sent: Sunday, March 06, 2016 9:12 AM  
> To: [coord@florida-repeaters.org](mailto:coord@florida-repeaters.org) ; [bod@florida-repeaters.org](mailto:bod@florida-repeaters.org) ; [w4c1l@pcds.net](mailto:w4c1l@pcds.net)  
> Subject: FRC New Coordination Application  
>  
> Below is the result of your feedback form. It was submitted by  
> ([bryan@flscg.org](mailto:bryan@flscg.org)) on Sunday, March 6, 2016 at 09:12:15  
> -----  
>  
> email: [bryan@flscg.org](mailto:bryan@flscg.org)  
>  
> Repeater Call: W9CR  
>  
> Repeater Output Frequency: 443.525  
>  
> Repeater City: Tampa  
>  
> Name of Applicant: Bryan Fields  
>  
> Callsign of Applicant: W9CR

**Subject:** Re: FRC New Coordination Application

**From:** Bryan Fields <bryan@flscg.org>

**Date:** 3/7/16, 3:04 PM

**To:** Mike Fletcher <mike.fletcher@abbx.net>

**BCC:**

On 3/6/16 10:32 AM, Mike Fletcher wrote:

> This should be OK, it is 77 ± miles from the Orlando co-channel. This  
> system is good for up to a 70 mile protection area.  
> Since the height and ERP as filed are high and a directional antenna is  
> proposed the committee will have to review the filing and see if the pattern  
> and ERP as proposed clears the 70 mile spacing.

Under what technical basis will this make a difference? The difference from the 0 to 90 and 0 to 270 on the antenna pattern is only 3.5 dB.

What is the signal (dBu) contour the FRC requires for co-channel operation? I'll model it in edx and I'm sure neither of us will make it over the ridge to cause any harmful interference.

What's the lat/lon, height, and ERP of the Orlando station?

Thank you,

--

Bryan Fields, W9CR  
Florida Simulcast Group, Inc.



**Subject:** Re: FRC New Coordination Application  
**From:** "Mike Fletcher" <mike.fletcher@abx.net>  
**Date:** 3/6/16, 10:32 AM  
**To:** <bryan@flscg.org>

This should be OK, it is 77 ± miles from the Orlando co-channel. This system is good for up to a 70 mile protection area. Since the height and ERP as filed are high and a directional antenna is proposed the committee will have to review the filing and see if the pattern and ERP as proposed clears the 70 mile spacing.

Mike  
D4

-----Original Message-----

From: [bryan@flscg.org](mailto:bryan@flscg.org)  
Sent: Sunday, March 06, 2016 9:12 AM  
To: [coord@florida-repeaters.org](mailto:coord@florida-repeaters.org) ; [bod@florida-repeaters.org](mailto:bod@florida-repeaters.org) ; [w4c1l@pcds.net](mailto:w4c1l@pcds.net)  
Subject: FRC New Coordination Application

Below is the result of your feedback form. It was submitted by  
([bryan@flscg.org](mailto:bryan@flscg.org)) on Sunday, March 6, 2016 at 09:12:15

-----  
email: [bryan@flscg.org](mailto:bryan@flscg.org)

Repeater Call: W9CR

Repeater Output Frequency: 443.525

Repeater City: Tampa

Name of Applicant: Bryan Fields

Callsign of Applicant: W9CR

Date Submitted: 03-06-20

Applicant Address: 501 80th Ave

Applicant City: St Pete Beach

Applicant State: FL

Applicant Zip: 33706

Applicant Area Code: 727

Applicant Home Phone: 4091194

# Exhibit #6-001

**Subject:** Re: FRC New Coordination Application

**From:** Bryan Fields <bryan@flscg.org>

**Date:** 4/17/16, 2:21 PM

**To:** Dana Rodakis <coord@florida-repeaters.org>

**CC:** Mike Fletcher <mike.fletcher@abbx.net>, Bod <bod@florida-repeaters.org>

On 4/17/16 1:24 PM, Dana Rodakis wrote:

> It is on the application. It helps us verify that the coordinates are  
> correct so we can maintain an accurate database.

I'm not arguing that it is on the application, the issue is it's not in your written policies. Should the fact the IRLP info is requested on the application preclude me from receive a coordination if I have none to submit?

You've said this was approved and now seem to be inventing reasons you will not grant this. This does track with what Mr. Fletcher stated at the TARC Fest is the FRC does not care to follow it's own written rules. This is patently wrong and offensive to me an a FRC member.

I'm formally requesting the FRC follow it's written policies.

Every time the FRC has invented some new coordination requirement I have followed up and asked for a clear definition of the new policy or technical requirement, only to receive silence.

The information is correct and complete. Now do your job and grant the coordination in accordance with FRC bylaws.

Thank you,

--

Bryan Fields, W9CR  
Florida Simulcast Group, Inc.

## Exhibit #7-001

**Subject:** Re: BNO Tonight 8 PM 'ish, Tues 4/26, at Hollander Hotel, 421 4th Avenue N., St. Pete  
**From:** Dana Rodakis <k4lk@mac.com>  
**Date:** 4/27/16, 4:41 PM  
**To:** Bryan Fields <bryan@bryanfields.net>

Bryan,

I am through with this endless exchange of emails. I have plenty of other Amateurs that need support. Don't contact us again. Run your system uncoordinated like Matt does.

Sent from my iPhone 6s Plus

On Apr 27, 2016, at 3:37 PM, Bryan Fields <[bryan@bryanfields.net](mailto:bryan@bryanfields.net)> wrote:

Perhaps you should follow the bylaws of your organization or resign if you're unwilling to do so.

On April 27, 2016 3:24:54 PM EDT, Dana Rodakis <[k4lk@mac.com](mailto:k4lk@mac.com)> wrote:

Maybe if Bryan wasn't so stubborn, he'd have his coordinations.

Sent from my iPhone 6s Plus

On Apr 27, 2016, at 1:37 PM, [mbush@arsrepeaters.com](mailto:mbush@arsrepeaters.com) wrote:

Maybe we should invite Mike Felcher to our Tuesday night Repeater Council meetings...

9x

----- Original Message -----

Subject: Re: BNO Tonight 8 PM 'ish, Tues 4/26, at Hollander Hotel, 421 4th Avenue N., St. Pete

## Exhibit #7-002

From: Bryan Fields <[bryan@bryanfields.net](mailto:bryan@bryanfields.net)>

Date: Tue, April 26, 2016 4:14 pm

To:

---

Sorry guys, I'm in Austin.

Still not heard from the FRC ☺

On April 26, 2016 6:24:39 PM EDT, Ray Baker <[vzn05ylg@verizon.net](mailto:vzn05ylg@verizon.net)> wrote:  
FYI... the outside seating tonight is the stuff - first one there grab a large table on the pool deck.

### [Hollander Hotel St Petersburg](#)

The Hamgoons gather tonight at the Hollander Hotel, at the corner of 4th St. N and 4th Ave. N. in St. Pete. It is basically at the east tail of the I375 spur as it dead ends on the north edge of downtown St. Pete. Lots of on-street parking in the area.

Tonight is \$3 craft beer night, with an excellent, excellent selection and well priced food choices for those with an appetite.

Meet at 8 PM, and would the first folks there consider grabbing a table outside, either on the street side or on the pool patio. Weather is perfect.

C y'all there.

Ray Baker, K9RY  
[vzn05ylg@verizon.net](mailto:vzn05ylg@verizon.net)

--

Bryan Fields  
727-409-1194  
<http://bryanfields.net>

--

Bryan Fields  
727-409-1194  
<http://bryanfields.net>

# Exhibit #8-001

**Subject:** Re: BNO Tonight 8 PM 'ish, Tues 4/26, at Hollander Hotel, 421 4th Avenue N., St. Pete  
**From:** Dana Rodakis <k4lk@mac.com>  
**Date:** 4/28/16, 11:46 AM  
**To:** Bryan Fields <Bryan@bryanfields.net>  
**CC:** bod@florida-repeaters.org

All you have to do is provide enclosing streets and nearest roadways. I wrote the policy, so I think I know it.

Sent from my iPhone 6s Plus

> On Apr 28, 2016, at 11:11 AM, Bryan Fields <[Bryan@bryanfields.net](mailto:Bryan@bryanfields.net)> wrote:  
>  
>> On 4/28/16 10:48 AM, Dana Rodakis wrote:  
>> All you have to do is provide me the information I need to make my database  
>> complete and we can get past this endless waste of my valuable time.  
>  
> I again ask where the FRC is permitted to require this.  
>  
> Have you read this document?  
> [http://florida-repeaters.org/FRC\\_Coordination\\_Policy.pdf](http://florida-repeaters.org/FRC_Coordination_Policy.pdf)  
> See section 11.  
>  
> No where are you permitted to ask for this, and it seems to be yet again one  
> more requirement created to hold this up.  
>  
> I again request the FRC follow their policies as written.  
> --  
> Bryan Fields  
>  
> 727-409-1194 - Voice  
> 727-214-2508 - Fax  
> <http://bryanfields.net>  
>

# Exhibit #9-001

501 80<sup>th</sup> AVE. ST PETE BEACH, FLORIDA 33706

---

Bryan Fields, W9CR  
501 80<sup>th</sup> Ave  
St Pete Beach, FL 33706  
727-409-1194  
bryan@flscg.org

Mike Fletcher, Secretary  
Florida Repeater Council  
1434 Clarion Drive  
Valrico, FL 33594-7149

May 26, 2016

Dear Mr. Secretary

Pursuant to my rights as a member under the bylaws and FS 617, I request the following records from the Florida Repeater Council (FRC)

- Roster of Members and list of voting members, which district they are in, and last four (4) elections they voted in.
- Results of past four (4) elections based broken down by number of ballots cast and in-person votes.
- Date of last ballot mailing or email if electronic.

I am willing to meet at a reasonable location during normal business hours and copy these records or the FRC may provide them electronically or via post.

I am willing to pay fees for this request up to a maximum of \$20.00. If you estimate that the fees will exceed this limit, please inform me first. A spreadsheet or plain text Comma Separated Values (CSV) is preferable for the data. Electronic Portable Document Format (PDF) will be sufficient. Either may be delivered via email with confirmation via US Postal Service.

Should you deny my request, or any part of the request, please state in writing the basis for the denial, including the exact statutory citation authorizing the denial.

I expect this request shall be filled in nor more than 10 calendar days after receipt. If this is insufficient please contact me via email or post to discuss when I may expect fulfillment of my request, and payment of any fees.

Thank you for your prompt attention in this matter,

Bryan Fields

Via certified mail return receipt requested (#7016-0340-0001-0614-6256)  
Cc: FRC Board of Directors via email to bod@florida-repeaters.org

English

Customer Service

USPS Mobile

Register / Sign In



## USPS Tracking®

Still Have Questions?

[Browse our FAQs ›](#)



Get Easy Tracking Updates ›

Sign up for My USPS.

**Tracking Number:** 70160340000106146256

### Product & Tracking Information

**Postal Product:**  
First-Class Mail®

**Features:**

Certified Mail™

Return Receipt

See tracking for related item: [9590952106150308972359](#)

### Available Actions

#### DATE & TIME

June 20, 2016 , 2:36 pm

#### STATUS OF ITEM

Delivered, Left with  
Individual

#### LOCATION

SAINT  
PETERSBURG, FL 33706

Your item was delivered to an individual at the address at 2:36 pm on June 20, 2016 in SAINT PETERSBURG, FL 33706.

June 19, 2016 , 4:54 pm

Departed USPS Facility

SARASOTA, FL 34260

June 19, 2016 , 7:31 am

Arrived at USPS Facility

SARASOTA, FL 34260

June 18, 2016 , 7:16 am

Departed USPS Facility

FORT MYERS, FL 33913

June 18, 2016 , 1:51 am

Arrived at USPS Facility

FORT MYERS, FL 33913

June 14, 2016 , 10:32 am

Unclaimed/Max Hold Time  
Expired

VALRICO, FL 33594

June 9, 2016 , 12:09 pm

Available for Pickup

VALRICO, FL 33594

May 28, 2016 , 2:07 pm

Notice Left (No Authorized  
Recipient Available)

VALRICO, FL 33594

May 27, 2016 , 5:21 pm

Departed USPS Facility

TAMPA, FL 33630

May 26, 2016 , 9:54 pm

Arrived at USPS Facility

TAMPA, FL 33630

May 26, 2016 , 5:28 pm

Departed Post Office

SAINT  
PETERSBURG, FL 33730

May 26, 2016 , 2:47 pm

Acceptance

SAINT  
PETERSBURG, FL 33730

### Track Another Package

Tracking (or receipt) number

[Track It](#)

### Manage Incoming Packages

Track all your packages from a dashboard.  
No tracking numbers necessary.

[Sign up for My USPS ›](#)



**Subject:** Read: Members information request  
**From:** "Mike Gonzalez N2FSU" <n2fsu110@gmail.com>  
**Date:** 6/21/16, 7:29 AM  
**To:** "'Bryan Fields'" <Bryan@bryanfields.net>

Your message

To: Bod; rkassis@cfl.rr.com; k4lk@mac.com; Mike Fletcher  
Subject: Re: Members information request  
Sent: 6/21/2016 00:28

was read on 6/21/2016 07:29.



Virus-free. [www.avast.com](http://www.avast.com)

---

Reporting-UA: gmail.com; Microsoft Outlook 14.0  
Final-Recipient: [rfc822;n2fsu110@gmail.com](mailto:rfc822;n2fsu110@gmail.com)  
Original-Message-ID: <[5768C27C.6030701@bryanfields.net](mailto:5768C27C.6030701@bryanfields.net)>  
Disposition: manual-action/MDN-sent-manually; displayed



**Subject:** Read: Re: Members information request

**From:** Ray Kassis <rkassis@ncnradio.com>

**Date:** 6/21/16, 5:52 AM

**To:** Bryan Fields <Bryan@bryanfields.net>

Your message

To: Ray Kassis

Subject: Re: Members information request

Sent: Tuesday, June 21, 2016 12:28:44 AM (UTC-05:00) Eastern Time (US & Canada)

was read on Tuesday, June 21, 2016 5:52:06 AM (UTC-05:00) Eastern Time (US & Canada).

---

Final-recipient: RFC822; [rkassis@ncnradio.com](mailto:rkassis@ncnradio.com)

Disposition: automatic-action/MDN-sent-automatically; displayed

X-MSEch-Correlation-Key: UvxeTxa3P00ZIJbD4Todhg==

Original-Message-ID: <[5768C27C.6030701@bryanfields.net](mailto:5768C27C.6030701@bryanfields.net)>

X-Display-Name: Ray Kassis

# Exhibit #10-003

**Subject:** Return receipt

**From:** Mail Delivery Subsystem <MAILER-DAEMON@mail534c25.carrierzone.com>

**Date:** 6/21/16, 1:11 AM

**To:** <Bryan@bryanfields.net>

The original message was received at Tue, 21 Jun 2016 00:28:49 -0400  
from zmcc-5-mx.zmailcloud.com [192.198.93.228]

----- The following addresses had successful delivery notifications -----  
[n2fsu110@gmail.com](mailto:n2fsu110@gmail.com) (relayed to non-DSN-aware mailer)  
(expanded from: [dir6@florida-repeaters.org](mailto:dir6@florida-repeaters.org))  
[k4gfd1@gmail.com](mailto:k4gfd1@gmail.com) (relayed to non-DSN-aware mailer)  
(expanded from: [dir8@florida-repeaters.org](mailto:dir8@florida-repeaters.org))  
[frc.d1.director@gmail.com](mailto:frc.d1.director@gmail.com) (relayed to non-DSN-aware mailer)  
(expanded from: [dir1@florida-repeaters.org](mailto:dir1@florida-repeaters.org))

----- Transcript of session follows -----  
[frc.d1.director@gmail.com](mailto:frc.d1.director@gmail.com)... relayed; expect no further notifications  
[k4gfd1@gmail.com](mailto:k4gfd1@gmail.com)... relayed; expect no further notifications  
[n2fsu110@gmail.com](mailto:n2fsu110@gmail.com)... relayed; expect no further notifications

---

Original-Envelope-Id: <[5768C27C.6030701@bryanfields.net](mailto:5768C27C.6030701@bryanfields.net)>  
Reporting-MTA: dns; mail534c25.carrierzone.com  
Arrival-Date: Tue, 21 Jun 2016 00:28:49 -0400

Original-Recipient: [rfc822;bod@florida-repeaters.org](mailto:rfc822;bod@florida-repeaters.org)  
Final-Recipient: RFC822; [bod@florida-repeaters.org](mailto:bod@florida-repeaters.org)  
X-Actual-Recipient: RFC822; [n2fsu110@gmail.com](mailto:n2fsu110@gmail.com)  
Action: relayed (to non-DSN-aware mailer)  
Status: 2.1.5  
Remote-MTA: DNS; gmail-smtp-in.l.google.com  
Diagnostic-Code: @gmail.com; 250 2.1.5 OK h5si6519309pah.28 - gsmt  
Last-Attempt-Date: Tue, 21 Jun 2016 01:11:40 -0400

Original-Recipient: [rfc822;bod@florida-repeaters.org](mailto:rfc822;bod@florida-repeaters.org)  
Final-Recipient: RFC822; [bod@florida-repeaters.org](mailto:bod@florida-repeaters.org)  
X-Actual-Recipient: RFC822; [k4gfd1@gmail.com](mailto:k4gfd1@gmail.com)  
Action: relayed (to non-DSN-aware mailer)  
Status: 2.1.5  
Remote-MTA: DNS; gmail-smtp-in.l.google.com  
Diagnostic-Code: @gmail.com; 250 2.1.5 OK h5si6519309pah.28 - gsmt  
Last-Attempt-Date: Tue, 21 Jun 2016 01:11:40 -0400

Original-Recipient: [rfc822;bod@florida-repeaters.org](mailto:rfc822;bod@florida-repeaters.org)  
Final-Recipient: RFC822; [bod@florida-repeaters.org](mailto:bod@florida-repeaters.org)  
X-Actual-Recipient: RFC822; [frc.d1.director@gmail.com](mailto:frc.d1.director@gmail.com)

# Exhibit #10-004

Action: relayed (to non-DSN-aware mailer)  
Status: 2.1.5  
Remote-MTA: DNS; gmail-smtp-in.l.google.com  
Diagnostic-Code: @gmail.com; 250 2.1.5 OK h5si6519309pah.28 - gsmt  
Last-Attempt-Date: Tue, 21 Jun 2016 01:11:40 -0400

---

X-Envelope-From: [Bryan@bryanfields.net](mailto:Bryan@bryanfields.net)  
Return-Path: [Bryan@bryanfields.net](mailto:Bryan@bryanfields.net)  
Received: from zmcc-5-mx.zmailcloud.com (zmcc-5-mx.zmailcloud.com [192.198.93.228])  
by mail534c25.carrierzone.com (8.14.9/8.13.1) with ESMTP id u5L4Sk4F006276  
for [bod@florida-repeaters.org](mailto:bod@florida-repeaters.org); Tue, 21 Jun 2016 00:28:49 -0400  
Received: from zmcc-5-mta-1.zmailcloud.com (127.37.197.104.bc.googleusercontent.com  
[104.197.37.127])  
(using TLSv1.2 with cipher ADH-AES256-GCM-SHA384 (256/256 bits))  
(No client certificate requested)  
by zmcc-5-mx.zmailcloud.com (Postfix) with ESMTPS id 2527F5201FE;  
Tue, 21 Jun 2016 00:28:46 -0400 (EDT)  
Received: from localhost (localhost [127.0.0.1])  
by zmcc-5-mta-1.zmailcloud.com (Postfix) with ESMTP id C94F3C2D38;  
Tue, 21 Jun 2016 04:28:45 +0000 (UTC)  
Received: from zmcc-5-mta-1.zmailcloud.com ([127.0.0.1])  
by localhost (zmcc-5-mta-1.zmailcloud.com [127.0.0.1]) (amavisd-new, port  
10032)  
with ESMTP id uCYtjB3CHdt2; Tue, 21 Jun 2016 04:28:45 +0000 (UTC)  
Received: from localhost (localhost [127.0.0.1])  
by zmcc-5-mta-1.zmailcloud.com (Postfix) with ESMTP id 58BB7C2D33;  
Tue, 21 Jun 2016 04:28:45 +0000 (UTC)  
X-Virus-Scanned: amavisd-new at zmcc-5-mta-1.zmailcloud.com  
Received: from zmcc-5-mta-1.zmailcloud.com ([127.0.0.1])  
by localhost (zmcc-5-mta-1.zmailcloud.com [127.0.0.1]) (amavisd-new, port  
10026)  
with ESMTP id I4XuLhHrQmxU; Tue, 21 Jun 2016 04:28:45 +0000 (UTC)  
Received: from SideshowBob.keekles.int (rrcs-67-78-199-10.se.biz.rr.com  
[67.78.199.10])  
by zmcc-5-mta-1.zmailcloud.com (Postfix) with ESMTPSA id E80C2C2D38;  
Tue, 21 Jun 2016 04:28:44 +0000 (UTC)  
Subject: Re: Members information request  
To: Bod [bod@florida-repeaters.org](mailto:bod@florida-repeaters.org), [rkassis@cfl.rr.com](mailto:rkassis@cfl.rr.com), [k4lk@mac.com](mailto:k4lk@mac.com),  
Mike Fletcher [mfletcher@abbx.net](mailto:mfletcher@abbx.net)  
References: [5749B05B.4030403@bryanfields.net](mailto:5749B05B.4030403@bryanfields.net)  
From: Bryan Fields [Bryan@bryanfields.net](mailto:Bryan@bryanfields.net)  
Message-ID: [5768C27C.6030701@bryanfields.net](mailto:5768C27C.6030701@bryanfields.net)  
Disposition-Notification-To: Bryan Fields [Bryan@bryanfields.net](mailto:Bryan@bryanfields.net)  
Date: Tue, 21 Jun 2016 00:28:44 -0400  
User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10.10; rv:38.0)  
Gecko/20100101 Thunderbird/38.7.2  
MIME-Version: 1.0  
In-Reply-To: [5749B05B.4030403@bryanfields.net](mailto:5749B05B.4030403@bryanfields.net)

# Exhibit #10-005

Content-Type: text/plain; charset=utf-8  
Content-Transfer-Encoding: 7bit  
X-CTCH-RefID:  
str=0001.0A010201.5768C281.001A,ss=1,re=0.000,recu=0.000,reip=0.000,cl=1,cld=1,fgs=0  
X-CTCH-VOD: Unknown  
X-CTCH-Spam: Unknown  
X-CTCH-Score: 0.000  
X-CTCH-Rules:  
X-CTCH-Flags: 0  
X-CTCH-ScoreCust: 0.000  
X-CSC: 0  
X-CHA: v=2.1 cv=Y5DB7HuN c=1 sm=1 tr=0 a=mC1nAexEA6hNzq+VA1U88g==:117  
a=mC1nAexEA6hNzq+VA1U88g==:17 a=L9H7d07YOLsA:10 a=9cW\_t1CCXrUA:10  
a=s5jvgZ67dGcA:10 a=IkCTkHD0fZMA:10 a=pD\_ry4oyNxEA:10 a=Yg\_vSeutAAAA:8  
a=7xytLsHxvLKZkn-S7nIA:9 a=QEXdD02ut3YA:10 a=Xknz1LvZaQIA:10  
a=mtXxCrZW0dkA:10 a=IbeSUmgBCdfs\_f1ppuzt:22  
Received-SPF: none (mail534c25: domain of bryanfields.net does not provide an SPF  
record) client-ip=192.198.93.228; [envelope-from=Bryan@bryanfields.net](mailto:Bryan@bryanfields.net);  
X-WHL: LR

# Exhibit #11-001

## Florida Repeater Council

The Florida Repeater Council, Inc. (FRC) is the ARRL-recognized amateur frequency coordinating body for the State of Florida. The FRC provides frequency coordination and interference resolution services to all Florida repeater operators, FRC members and non-members alike. We are a volunteer non-profit organization of fellow amateurs.

---

NOTICE: SEND CERTIFIED MAIL TO SECRETARY MIKE FLETCHER.

---

Visit our APPLICATION page to submit a repeater renewal, update or application for new coordination. **Hard copy applications are no longer accepted and applications for NEW coordination without frequencies will be returned to the applicant. The Council is unable to search for available frequencies**

---

The REPEATER LISTINGS were updated on 02/06/2016. See our LISTINGS page.

---

**Renewals received after 5/7/2016 have not been reviewed or processed.**

**Updates received after 1/25/2016 have not been reviewed or processed.**

**New coordination requests received after 1/25/2016 have not been reviewed or processed.**

---

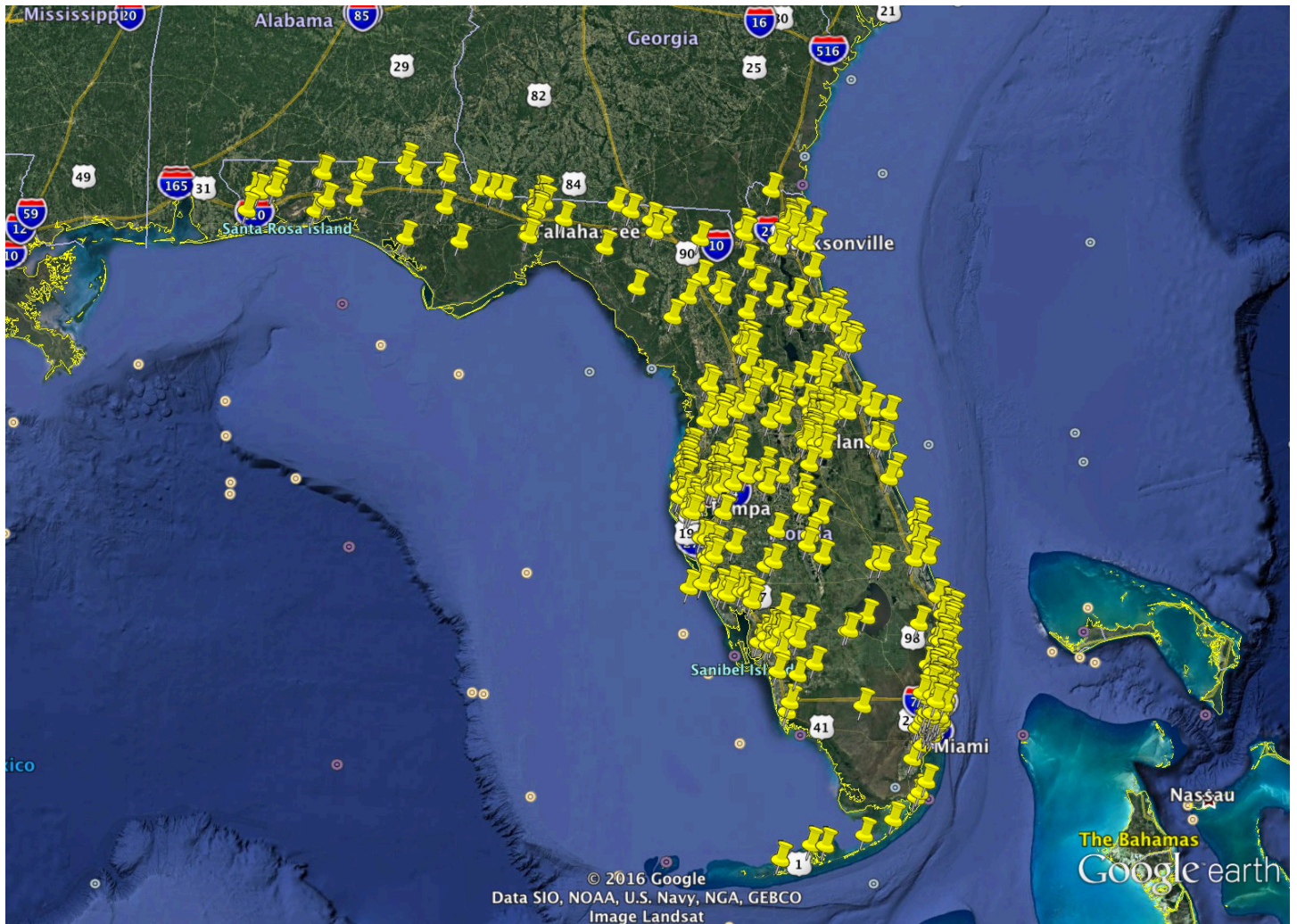
The next meeting of the board of directors will be held at the Melbourne Hamfest on Saturday, October 7, 2016 at 3 PM.

---

**NOTICE: All new and renewing coordinations will be issued an expiration date of 9/30/2018.**



# Exhibit #12-001



Google earth

miles 400  
km 600





