

RADIO FREQUENCY USE AGREEMENT HIRED EQUIPMENT FC- 100R

This agreement is required by Federal Communications Commission (FCC) Rules and Regulations to permit authorized equipment contractors to utilize radio frequencies assigned to California Department of Forestry and Fire Protection (CAL FIRE) during the performance of contract obligations while supporting CAL FIRE suppression or other emergency operations.

This agreement will be entered into only with those equipment contractors who have completed the CAL FIRE-294 Emergency Equipment Rental Agreement (EERA).

AGREEMENT FOR USE OF RADIO FREQUENCIES

1. Cooperator Radios Accepted for Fire Use

RADIO EQUIPMENT: It is mutually agreed between CAL FIRE and the contractor, that the contractor agrees to acquire, at their own expense, mobile or portable radios to operate on the designated radio frequencies, as directed by the authorized CAL FIRE representative. The contractor agrees to utilize only radios currently listed on the National Inter-Agency Fire Center (NIFC) "Approved Radios" document dated 11 May 2016, and FCC type accepted for operation under FCC Rules Part-90 or Part-88 (as may be adopted by the FCC). The "Approved Radios" document is attached but can be found at this link: https://www.nifc.gov/NIICD/docs/approved_radios.pdf

It is beneficial to understand just how programming works at all CAL FIRE incidents. CAL FIRE is mandated by the State Administrative Manual (SAM), to utilize the expertise of the Governor's Office of Safety Communications (PSC) to build all radio loads, programming radio loads, and repair all radios utilized for all CAL FIRE's first responder missions. Time and money are spent throughout the year to prepare radio loads for all of CAL FIRE's radios.

These are the "loads" used by the PSC techs during the incidents for radio cloning and general programming. The radios that are supported by the creation of these loads are as follows:

- BK GPH/DPH Commander (Portable)
- Relm KNGP150CMD (Portable)
- Kenwood TK790 CAL FIRE Firmware (Mobile)
- Relm KNGM150CMD (Mobile)

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CAL FIRE follows the guidance that the radios listed on the NIICD link above are the only authorized radios for Federal fires. The four radio types listed directly above are the only radios that can be cloned on and CAL FIRE incident. Hired equipment entities are not authorized to receive a "loaner radio" from the incident in the event an unsupported radio is presented.

2. RADIO AMOUNTS: Contractor is authorized to program and operate the following quantities and type of radio equipment:
A. number of mobile radios: _____ B. number of portable radios: _____
3. FCC LICENSE: The radio equipment referred to in paragraph 2 above shall remain the property of the contractor, but the State of California shall be the licensee thereof, in accordance with the FCC mobile system license KA-3134, while the contractor is utilizing the specified radio frequencies.
4. AUTHORIZED USE: CAL FIRE authorizes the contractor to utilize the specified radio frequencies only during the period the contractor is "under hire" by CAL FIRE, when CAL FIRE has dispatched the contractor and issued an Incident Order Number and Request Number to the contractor. While in route to and from an incident, the contractor is authorized to use the frequency if they are assigned as an element of a strike team. Unless communication is needed between contractor and a CAL FIRE representative and/or CAL FIRE Emergency Command Center (ECC), contractor is not authorized to utilize any of these radio frequencies for any other use.
5. OPERATION: Contractor agrees to operate and maintain specified radio equipment in accordance with all Rules and Regulations of the FCC. It is the contractor's responsibility to obtain and become familiar with all applicable FCC Rules.
6. Violations: If the contractor violates any applicable FCC Rules or Regulations, CAL FIRE may immediately terminate this radio frequency use agreement.
7. INDEMNIFICATION: Pursuant to Section 895.4 of the Government Code, and recognizing that the contractor is to have actual operating control of the specified equipment, contractor agrees to indemnify CAL FIRE and its officers and employees against any-and-all liability arising out of the performance of this agreement which may be imposed on CAL FIRE by any law, including Section 895.2 of the Government Code.
8. COMMUNICATIONS: Clear text (plain English) will be used for all communications. "CODES SHALL NOT BE USED".
9. RADIO FREQUENCIES: CAL FIRE authorizes equipment contractors which have an EERA with CAL FIRE to program the attached frequency list into either their mobile or portable radios.
10. Any additional "local frequencies" that a unit deems as important to the operation of hired equipment are to be attached to this FC-100R as an addendum.

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a. Federal and State agencies in California use the following thirty-two standard tones for repeater access. These tones should be programmed in the operator selectable tone feature of the radio.

Tone 1 = 110.9	Tone 2 = 123.0	Tone 3 = 131.8	Tone 4 = 136.5
Tone 5 = 146.2	Tone 6 = 156.7	Tone 7 = 167.9	Tone 8 = 103.5
Tone 9 = 100.0	Tone 10 = 107.2	Tone 11 = 114.8	Tone 12 = 127.3
Tone 13 = 141.3	Tone 14 = 151.4	Tone 15 = 162.2	Tone 16 = 192.8

Tone 17 = 67.0	Tone 18 = 71.9	Tone 19 = 74.4	Tone 20 = 77.0
Tone 21 = 79.7	Tone 22 = 82.5	Tone 23 = 85.4	Tone 24 = 88.5
Tone 25 = 91.5	Tone 26 = 94.8	Tone 27 = 97.4	Tone 28 = 118.8
Tone 29 = 173.8	Tone 30 = 179.9	Tone 31 = 186.2	Tone 32 = 203.5

b. TERM: The term of this agreement shall commence immediately and will be valid for the duration of the applicable CAL FIRE-294 EERA.

Contractor or Authorized Agent (Signature)

Date

Contractor's Printed Name

CAL FIRE Representative (Signature)

Date

CAL FIRE Representative's Printed Name

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	RX FREQ	RX CTCSS	TX FREQ	TX CTCSS	PWR	W/N	DISPLAY	NOTES
1	151.3550	103.5	159.3000	OST	H	N	CDF C1	CDF COMMAND 1
2	151.2650	103.5	159.3300	OST	H	N	CDF C2	CDF COMMAND 2
3	151.3400	103.5	159.3450	OST	H	N	CDF C3	CDF COMMAND 3
4	151.4000	103.5	159.3750	OST	H	N	CDF C4	CDF COMMAND 4
5	151.2500	103.5	159.3600	OST	H	N	CDF C6	CDF COMMAND 6
6	151.4600	103.5	159.3900	OST	H	N	CDF C7	CDF COMMAND 7
7	151.4450	103.5	159.3450	OST	H	N	CDF C8	CDF COMMAND 8
8	151.1750	103.5	159.4500	OST	H	N	CDF C9	CDF COMMAND 9
9	151.1900	103.5	159.2250	OST	H	N	CDF C10	CDF COMMAND 10
10	151.1675	103.5	159.3975	OST	L	N	CDF C11	CDF COMMAND 11(Portable only)
11	151.2425	103.5	159.2625	OST	H	N	CDF C12	CDF COMMAND 12
12	151.3850	110.9	159.2700	OST	H	N	12 MEU L	MEU LOCAL NET
13	151.2500	110.9	159.4050	OST	H	N	13 HUU L	HUU LOCAL NET
14	151.3400	136.5	159.3150	OST	H	N	14 LNU EAST	LNU EAST NET
15	151.4600	136.5	159.3900	OST	H	N	14B LNU WEST	LNU WEST NET
16	151.4450	156.7	159.3450	OST	H	N	16 SCU L	SCU LOCAL
17	151.1225	156.7	159.1650	OST	H	N	16B SCC CMD	SANTA CLARA CMD
18	151.3700	167.9	159.2850	OST	H	N	17 CZU L	CZU LOCAL
19	151.4000	110.9	159.3750	OST	H	N	21 BTU L	BTU LOCAL NET
20	151.2500	123.0	159.4050	OST	H	N	22 LMU L	LMU LOCAL NET
21	154.1300	131.8	159.4950	OST	H	N	23B NEU EAST	NEU EAST NET
22	151.3250	131.8	159.3600	OST	H	N	23 NEU WEST	NEU LOCAL NET
23	151.1600	136.5	159.2700	OST	H	N	24 SHU L	SHU LOCAL NET
24	151.3700	146.2	159.2850	OST	H	N	25 TGU L	TGU LOCAL NET
25	151.3250	156.7	159.3600	OST	H	N	26 SKU L	SKU LOCAL NET
26	151.1900	146.2	159.2250	OST	H	N	27 AEU L	AEU LOCAL NET
27	151.3850	110.9	159.3600	OST	H	N	31 RRU 1 W	RRU LOCAL NET West 1
28	151.1750	110.9	159.2850	OST	H	N	31B RRU 2	RRU LOCAL NET # 2
29	151.1300	0.0	158.9250	OST	H	N	31C RRU 3 E	RRU LOCAL NET East 3
30	151.1900	131.8	159.2250	OST	H	N	33 MVU 1	MVU LOCAL NET
31	151.3325	131.8	159.2775	OST	H	N	33B MVU 2	MVU LOCAL 2
32	151.4450	146.2	159.3900	OST	H	N	35 BDU 1	BDU LOCAL NET # 1
33	151.3250	146.2	159.3150	OST	H	N	35B BDU 2	BDU LOCAL NET #2
34	151.2500	146.2	159.4050	OST	H	N	35C BDU 3	BDU LOCAL NET #3
35	159.1200	167.9	156.0600	OST	H	N	35D BDC V 2	SAN BERNARDINO CO 2
36	151.1525	167.9	158.8875	OST	H	N	35E BDC V 3	SAN BERNARDINO CO 3
37	151.1900	110.9	159.2250	OST	H	N	41 TUU L	TUU LOCAL NET
38	151.4600	123.0	159.3900	OST	H	N	42 MMU 1	MMU LOCAL NET
39	153.1850	123.0	158.4300	OST	H	N	42C XMA CMD	MADERA COMMAND
40	151.3850	131.8	159.2700	OST	H	N	43 FKU 1	FKU LOCAL 1 NET
41	151.1600	131.8	159.3600	OST	H	N	43B FKU 2	FKU LOCAL 2 NET
42	151.1750	136.5	159.4500	OST	H	N	44 TCU L	TCU LOCAL NET
43	151.2500	156.7	159.4050	OST	H	N	46 BEU E	BEU LOCAL NET EAST
44	151.3325	156.7	159.2775	OST	H	N	46B BEU W	BEU LOCAL NET WEST
45	151.2575	192.8	151.2575	192.8	L	N	47 CDF T1	CDF TAC 1
CH	RX FREQ	RX CTCSS	TX FREQ	TX CTCSS	PWR	W/N	DISPLAY	NOTES

46	151.1600	192.8	151.1600	192.8	L	N	48 CDF T2	CDF TAC 2
47	151.1750	192.8	151.1750	192.8	L	N	49 CDF T3	CDF TAC 3
48	151.1900	192.8	151.1900	192.8	L	N	50 CDF T4	CDF TAC 4
49	151.2500	192.8	151.2500	192.8	L	N	51 CDF T5	CDF TAC 5
50	151.3250	192.8	151.3250	192.8	L	N	52 CDF T6	CDF TAC 6
51	151.3400	192.8	151.3400	192.8	L	N	53 CDF T7	CDF TAC 7
52	151.3700	192.8	151.3700	192.8	L	N	54 CDF T8	CDF TAC 8
53	151.3850	192.8	151.3850	192.8	L	N	55 CDF T9	CDF TAC 9
54	151.4000	192.8	151.4000	192.8	L	N	56 CDF T10	CDF TAC 10
55	151.4450	192.8	151.4450	192.8	L	N	57 CDF T11	CDF TAC 11
56	151.4600	192.8	151.4600	192.8	L	N	58 CDF T12	CDF TAC 12
57	151.3775	192.8	151.3775	192.8	L	N	59 CDF T13	CDF TAC 13
58	159.2250	192.8	159.2250	192.8	L	N	60 CDF T14	CDF TAC 14
59	159.2700	192.8	159.2700	192.8	L	N	61 CDF T15	CDF TAC 15
60	159.2850	192.8	159.2850	192.8	L	N	62 CDF T16	CDF TAC 16
61	159.3150	192.8	159.3150	192.8	L	N	63 CDF T17	CDF TAC 17
62	159.3450	192.8	159.3450	192.8	L	N	64 CDF T18	CDF TAC 18
63	159.3600	192.8	159.3600	192.8	L	N	65 CDF T19	CDF TAC 19
64	159.3750	192.8	159.3750	192.8	L	N	66 CDF T20	CDF TAC 20
65	159.3900	192.8	159.3900	192.8	L	N	67 CDF T21	CDF TAC 21
66	159.4050	192.8	159.4050	192.8	L	N	68 CDF T22	CDF TAC 22
67	159.4500	192.8	159.4500	192.8	L	N	69 CDF T23	CDF TAC 23
68	151.3325	192.8	151.3325	192.8	L	N	70 CDF T24	CDF TAC 24
69	159.2775	192.8	159.2775	192.8	L	N	71 CDF T25	CDF TAC 25
70	159.2925	192.8	159.2925	192.8	L	N	72 CDF T26	CDF TAC 26
71	159.3075	192.8	159.3075	192.8	L	N	73 CDF T27	CDF TAC 27
72	151.1825	192.8	151.1825	192.8	L	N	74 CDF T28	CDF TAC 28
73	151.3475	192.8	151.3475	192.8	L	N	75 CDF T29	CDF TAC 29
74	151.3925	192.8	151.3925	192.8	L	N	76 CDF T30	CDF TAC 30
75	159.3825	192.8	159.3825	192.8	L	N	77 CDF T31	CDF TAC 31
76	151.2425	192.8	151.2425	192.8	L	N	78 CDF T32	CDF TAC 32
77	159.2475	192.8	159.2475	192.8	L	N	79 CDF T33	CDF TAC 33
78	151.4675	192.8	151.4675	192.8	L	N	80 CDF T34	CDF TAC 34
79	159.3225	192.8	159.3225	192.8	L	N	81 CDF T35	CDF TAC 35
80	151.1525	192.8	151.1525	192.8	L	N	82 CDF T36	CDF TAC 36
81	159.3375	192.8	159.3375	192.9	L	N	83 CDF T37	CDF TAC 37
82	151.2200	192.8	151.2200	192.8	L	N	110 CDF A/G1	CDF Air to Ground #1
83	159.2625	192.8	159.2625	192.8	L	N	111 CDF A/G2	CDF Air to Ground #2
84	159.3675	192.8	159.3675	192.8	L	N	112 CDF A/G3	CDF Air to Ground #3
85	168.6250	0.0	168.6250	110.9	L	N	150 GUARD18	AIR GUARD - emerg. use only