

Modify a spectrum licence

Approved persons (ARE) user guide

Version 1.00 | March 2023





MINISTRY OF BUSINESS, INNOVATION & EMPLOYMENT HĪKINA WHAKATUTUKI

Contents

Introduction	3
Explanation	3
Document Steps, Images and Links	3
Requirements	3
Technical Assistance	3
Approved Radio Engineers	3
Licence Agency Consideration	4
Amendment history	4
Modify a Spectrum Licence	5
Create application to modify a spectrum licence	5
Open the modify licence task	8
Craft to modify the licence	9
Certify and confirm spectrum licence modifications	14
Certify spectrum licence modification	14
Confirm spectrum licence modification	16
Confirm Form 8 – Initiating party	
Approve Form 8 – Authorising party (if applicable)	19
Certify or Confirm Multiple Applications	20
Certify multiple spectrum licences	20
Confirm (Approve) Multiple Spectrum Licences	21
Withdraw application to modify licence	22

Introduction

This document details the process for <u>approved radio engineers (AREs)</u> to modify a spectrum licence (i.e. a licence that resides in a Management Right) in the <u>Register of Radio Frequencies (the RRF)</u>.

Note: During this modify process, RRF automatically creates the From 8 (Notice of modification of spectrum licence) online with a task for the appropriate person(s) to electrically approve the modification.

Explanation

Document Steps, Images and Links

This document contains instructions (steps) to perform a process within the RRF.

- Some steps are followed by an image that demonstrates the onscreen result of that step.
- Some steps include links to other sections within the document or to other user guides; these are designated using 'go to' or 'refer to'.
- Clicking the section name moves you directly to that section or user guide.

Requirements

• You must be an approved radio engineer to perform this process.

Technical Assistance

Comprehensive help is available to help AREs complete the various processes:

- Technical assistance can be found within the Public Information Brochures (PIBs); these are located within the <u>Resources for AREs and ARCs</u>. The PIBs provide licensing, technical rules and other general information on a range of common radio services such as CB Radio, Amateur Radio and Maritime VHF Radio.
- Various <u>user guides</u> on the RSM Website describe the steps to take to complete each process.
- Some fields and sections in the Register of Radio Frequencies (the RRF) have help text.
 - Click or hover over the **(**Information icon) to view the help text with information about what to enter in the field or information about a section of the screen.
 - Please contact Radio Spectrum Management (RSM) if you require further assistance:
 - Email <u>rsmlicensing@mbie.govt.nz</u>
 - Phone the freephone number 0508 RSM INFO (0508 776463).

Approved Radio Engineers

You should be familiar with the following PIBs:

- Table of Radio Spectrum Usage in New Zealand (PIB 21)
- Fixed service Bands in New Zealand (PIB 22)
- Mobile service Bands in New Zealand (PIB 23)
- Radio Licence Certification Rules (PIB 38)
- Spectrum Licence Certification Rules for Crown Management Rights (PIB 39)
- Audit Procedures for Engineering Certificates issued by Approved Persons (PIB 40)
- Radio Licence Policy Rules (PIB 58)
- Policy rules for Crown Spectrum Management Rights (PIB 59).

Licence Agency Consideration

Depending on the spectrum licence type, the application to modify may be submitted to a Licence Agency (LA) and if the LA gives approval, the licence status changes from **Awaiting Licensing Agency Recommendation** to **Licensing Agency Decision**. You can then continue to modify the licence.

If the LA rejects an application, an email is sent to RSM's Licensing Manager and to the client. You are not notified of the rejection, nor does the application return to your work queue. The Licensing Manager has the right to overturn an LA decision and may enforce further conditions when modifying the licence.

Amendment history

Version	Date	Details
0.01 0.02	November 2022 December 2022	Draft RRF version for review
0.03	December 2022	Draft for Release 1
0.04	February 2023	Draft for Release 2
1.00	March 2023	Final Version

Modify a Spectrum Licence

The current Rightholder (holder of the spectrum licence) or the Manager (manager of management right) can request an Approved Radio Engineer (ARE) to modify a spectrum licence depending on the authority to modify the licence. Authorities can be found under the licence conditions when searching the RRF.

Once an ARE creates an application to modify, they then engineer the technical modifications to the spectrum licence and Certify to send to the Rightholder (or Manager) for confirmation. Once confirmed, RRF generates a Form 8 which is actioned by the Authorising user and submitted to the Registrar for approval and registration.

You will receive an email notification when the spectrum licence has been registered.

This user guide outlines how to create an application and modify details of all types of spectrum licence. The steps include:

- <u>Create application to modify a spectrum licence</u>
- Craft to modify the licence
- <u>Certify spectrum licence modification</u>
- Confirm spectrum licence modification
- <u>Confirm Form 8 Initiating party</u>
- <u>Confirm Form 8 Authorising party (if applicable)</u>

All modified licences must be approved by the RSM Licensing Team and/or granted by the Registrar.

Note: A licence being modified will remain current and can still operate until the modified licence has been approved or granted.

Create application to modify a spectrum licence

Before you can make modifications to the technical parameters of a spectrum licence such as the location, output power, antenna horizontal radiation pattern, receive coverage locations or date amendment, you must create an application to modify.

- 1. Login to the Register of <u>Register of Radio Frequencies (RRF)</u> using your RealMe login. The *My Dashboard* screen displays.
- 2. Change your profile (in the top right of the screen) and select to the client who requested the modification and for which you are a delegated user.
- 3. Select **Maintain > Licence > Modify** to display the *Modify Licence* screen.

	Search \checkmark	Apply/Create 🗸	Maintain 🗸	Pay Fees $ \sim $	Reference Data ~	External RadioEngineerARE ~ ARE/TELECOM NEW ZEALAND LTD 1:
Buck Client details						Submit
Client *						
TELECOM NEW ZEALAND LTD (135563) ×						
Residential/Physical address Level 1, Chorus Building, 52 Oxford Terrace, CHRISTCHURCH,	NZ					
Email						
smart.client@med.govt.nz						
Licence to be modified •						
- Hide Search						
- Hide Search						Hide search
Hide Search Search Licence number, licence 10, or application number				•		Hide search
- Hide Search Search Licence number, licence 10, or application number Licence hype						Hide search
Inde search Search Licence number; licence 10, or application number Licence type Licence category Licence category Licence steppony			~	•		Kide search
Inde search Search Licence number, licence ID, or application number Licence type Licence category Licence category Management right number			<u> </u>	•		Kide saach
Inder search Search Licence number, licence ID, or application number Licence type Licence category Mangement right number Modify authority	고 고 고		<u>~</u>]	•		Adde search
Inde search Search Licence number, licence ID, or application number Licence stype Licence adegory Management right number Modify authority	× .		<u>_</u>	•		Hide search
- Inde Search Search Licence number, licence ID, or application number Licence stype Licence ategory Licence category Management right number Modify authority Licence stype authority Licen	× >		<u>_</u>	•		tide search Clear Search

- 4. Enter the licence ID in the **Search** field (if known). Your client may have advised the licence details. Alternatively, select or enter information using other fields, (e.g. select **Spatial** in the **Licence type** field) to locate the licence you require.
 - Click **Search.** The search results display.

— Hide Sea	arch										
											Hide search
Search											
Licence num	nber, licence ID	, or application num	ber				•				
Licence type											
						~					
Licence catego	iony										
Spectrum			~								
Management	right number										
Modify author	rity										
			~								
			~								Clear Search
			~								Clear Search
Search re	esults		~								Claar Search
Search re	esults s: Licence state	us: Current, Licence ci	ategory: Spectrum								Char Search
Search re	esults s: Licence stats	is: Current, Licence ci	ategory: Spectrum				(12)				Char Search
Search re Applied filters Licence ID	esults s: Licence state Licence no.	us: Current, Licence ca Licensee	ategory: Spectrum Channel	Ref. freq. (MHz)	TX/RX	Location	<12 > Grid refe_	Licence type	Category	Modify authority	Char Search
Search re Applied filters Licence ID 300050	esults s: Licence statu Licence no. 300014	IS: Current, Licence ca Licensee TELECOM NEW ZEALAND LTD	ategory: Spectrum Channel SCI470	Ref. freq. (MHz) 3470.000000	TX/RX TX	Location 210 MAIN ROAD, TAWA, WELLINGTON (TAWA) (WG-947-007-C)	(1 2) Grid refe B0371 S31408	Licence type UNF TV	Category Spectrum	Modify authority RightHolder or Manager	Clas Sourch
Search re Applied filters Licence ID 300050 300128	esults s: Licence statu Licence no. 300014 300025	II: Current, Licence co Licensee TELECOM NEW ZEALAND LTD TELECOM NEW ZEALAND LTD	Channel SC3470	Ref. freq. (MH2) 3x70.000000 825.015000	ТХ/РХ ТХ ТХ	Location 210 MAIN BOAD, TAWA, BULLINGTON, TAWA, 10062-0-025-C) 11 HOBSON STREET AUCULATO	5 1 2 3 6rid refe 8031 531408 8A32 572209	Licence type UHE TV Ceneral User licence Genetrum)	Category Spectrum Spectrum	Modify authority RightHolder or Manager BightHolder or Manager	Char Sourch
Search re Licence ID 300050 300128 300129	esults s: Licence statu Licence no. 300074 300025 300026	AL: Current, Licence of Licensee TELECON NEW ZEALAND LTD TELECON NEW ZEALAND LTD TELECON NEW	channel SC3470	Ref. freq. (MHz) 3470.00000 825.015000 1825.000000	ТХ/RX ТХ ТХ ТХ	Location 200 MANN 10040, 12404, WELLINGTON, [TAINA] (WLG-907-002-C) 11 HOBSON STREET AUCCLAND 11 HOBSON STREET AUCCLAND	(1 2) Grid refe B031 \$31408 BA32 \$72209 BA33 \$72209 BA32 \$72209	Licence type UHF TV Ceneral User licence (Spectrum) UHF TV	Category Spectrum Spectrum Spectrum	Modify authority RightHolder or Manager BightHolder or Manager RightHolder or Manager	Clar Sourt

5. Click **Select** next to the licence you require. Details of the selected licence display in the **Licence to be modified** section.

icence	Search ~	Apply/Create 🗸	Maintain \vee	Pay Fees 🗸	Reference Data 🗸	External RadioEngineerARE ~ ARE/TELECOM NEW ZEALAND LTD 135563
Buck Client details						Submit
Client *						
TELECOM NEW ZEALAND LTD (13	5563) ×					
Residential/Physical address Level 1, Chorus Building, 52 Oxfor	d Terrace, CHRISTCHURCH, NZ					
Email						
Licence to be modified	1.					
+ Search						
Licence ID	Licence number	Status		Licence t	ype	
300050	300014	Current		UHF TV		
Channel	Ref.freq.(MHz)	TX/RX		Location		
SC3470	3470.000000	Transmit		210 MAIN	ROAD, TAWA, WELLINGTON_[TAWA](WLG-047-002-C)	
Engineer *						
External RadioEngineerARE						
Reason for modification *						
			A			
Back						Submit

- Your name defaults in the **Engineer** field. If required, click the field and select a different name from the list.
- Enter the **Reason for modification**.
- 6. Click **Submit**. A message displays.
 - If the licence requires only one authority to modify it, (e.g. Manager), the message advises an application to modify the selected licence will be submitted. Click **Yes** to continue.
 - If the licence can be modified by either a Rightholder or a Manager, the message displays requesting you to indicate who initiated the change:



Select the appropriate option and click **OK**.
 A message displays at the top of the *Modify Licence* screen to advise 'Application for modification has been submitted'. RRF creates a task for the ARE to modify the licence and sends it to their *My Dashboard* screen.

Note: If your application to modify a spectrum licence requires LA approval, it will be automatically sent to the LA. Once approved (or declined) you will receive advice of the outcome by email and in your *My Dashboard* screen.

- 7. Determine your next step:
 - If you are a designated ARE for this client, the spectrum licence is now ready to begin modifications. Go to <u>Craft to modify the licence</u>.
 - If you are not the nominated engineer, return to your *My Dashboard* screen then go to <u>Open the</u> <u>modify licence task</u> and claim the task.

Open the modify licence task

1. Go to the **Tasks** area of *My Dashboard* screen.

Welcome to the Register of Rad	io Frequencies				Shortcuts 0		
Welcome External to the Register of Radio Frec Spectrum Management (RSM) in New Zealand.	ueocles (RRF), it is the public online re	gister of radio licence	s, spectrum licences	and management rights issued by Radio	Apply/Create - Licence	0	
The Register holds all information of assigned right has been allocated.	frequency use, including the licence or	spectrum rightholder	details, and the tim	e period for which the licence or spectrum	Search - Clients	0	
					Search - Licences	0	
					Reference Data - Equipment	0	
Tasks (*)							Fnable Multi Select
> Date Description					Due date	Actions	
Apply for radio or spectrum licence \sim							count: 20

2. Locate the **Modify Licence** task and click **Open** (or click **Claim** then **Open**). The *Modify Licence* screen displays.

dify Licence	Search \lor Ap	ply/Create 🗸 Maintain 🗸 Pay Fees 🗸	Reference Data 🗸	External RadioEngineerARE ARE/Smart Business Limited
				Copy Application Withdraw Application
Client details ^				
Client number	Client name		Email address	
506682	Smart Business Limited		smart.info@mbie.govt.nz	
+ More				
Application details \sim				
Application number	Application status	Application date	Licence to be modified	
107186	Awaiting Engineering Certification	7-Nov-2022	221331	
Licence type				
Spectrum Private/Other (Spectr	um) (SZ)			
+ More				
				Copy Licence
O Basic licence details				Done
Licence ID	Licence number	Licence stats	25	
301082		Incomplete		
Licence reference				
Licence type				
Spectrum Private / Other (Spe	ctrum) (SZ)	Change licence type		
Management Right *	5			
MB Nomber	Status	Manager		

Note: You can withdraw this application to modify a spectrum licence at any time during engineering until you certify the licence for modification. Refer to <u>Withdraw application to modify licence</u>.

Craft to modify the licence

An ARE can change details of a spectrum licence, subject to any restrictions for that licence type, in the craft sections on the *Modify* Licence screen. For example, add or remove spectrum record, add or remove location, make changes to the specific conditions, and change the authorities of the spectrum licence.

1. Scroll to the **Basic licence details** section.

cence type				
pectrum Private/Other (Spectrum) (SZ)				
+ More				
				Comuliana
				copy Lidence
O Basic licence details				Done
Licence ID	Licence number	Licence status		
301083	5	Incomplete		
Licence reference				
Licence type				
Spectrum Private / Other (Spectrum) (S2)		Change licence type		
Management Right * 🕚				
MR Number	Status	Manager		
319	Current	The Crown acting by and through	the Chief Executive of the MBIE	
Commencement	Expiry	Low freq (MHz)	High freq (MHz)	
3-Dec-2013	31-Dec-2028	2575.000000	2620.000000	
Licence classification *				
Licence to Transmit and Have No Interference				
Engineer				
External RadioEngineerARE (AREB002)	Ke-assign			
Fixed term				
Yes				
Commanyament data		Expiry date		
10-May-2020		10-Mar-2024		
		20		
+ More				

- Mange any edits required:
 - Enter a Licence Reference, (optional).
 - Change the licence type, if required, (i.e. click **Change licence type** and select the option(s) you require).
 - Select a different Licence classification, if required.
- If required, click **Re-assign** and reassign the licence task to another engineer.
- Click **Save**. A message displays at the top of the screen advising the Basic details have been updated.
- Click **Done.** The button changes to **Continue crafting**.
- 2. Click the Spectrum licence details section.

Basic licence	details							Continue crafting ~
O Spectrum det	ails							Done ^
Channel	Low (MHz) High (MHz)	Ref. freq. (MHz)	Power dBW(eirp)	Emission	Polarisation		
	2580.000000	2590.000000	2585.000000	35.0	9M00D7W	Mixed	View Remove	
— Hide radiation pa	atterns							
Horizontal radia	tion pattern (HRP)	* 0						+ Add
	Bearing (From)	Bearing (To) *	Beari	ng value (dBW eirp) *	•			Graph
	0.0	45.0	25.0]		
	0.0	- 425 Q						
	45.0	135.0	10.0			Remove		
	125.0	180.0	25.0			Remove		
	135.0	360.0	35.0			Pernove		
	180.0					Remote		
Vertical radiation	n pattern (VRP) 🕕							+ Add
								Cancel Save
O Transmit locat	tion details							Done 🗸

Note: The Spectrum details list displays and the Horizontal Radiation Pattern automatically expands.

- Add or remove HRP records, as required. (Click Hide Radiation patterns to hide these details.
- Click **View** to open the spectrum details record. Scroll to view all information.

, spectrum details	S											L	Done	
hannel	Low (MHz)	High (MHz)	Ref. freq. (MHz)	Power dBW(eirp)	Emission	Polarisatio	n							
	2580.000000	2590.000000	2585.000000	35.0	9M00D7W	Mixed		View	Remove					
Spectrum details														
										Polarisation *				
Spectrum type		Spe	trum status			Service type				Mixed				$\overline{}$
riequency		Pen	mig			Spectrum Private								
Start date		End	date											
10-May-2020		10-1	lar-2024											
Remarks														
L					/									
Deference fre														
Reference frequer.	icies												+ A	dd
Ref Freq (MHz) *	ICIES	Frequency type *		Poy	ver dBW (eiro)	•	Power type *				Tolerance		+ A	dd
Ref. Freq. (MHz) *	icles	Frequency type *		Pov	ver dBW (eirp)	•	Power type *			~	Tolerance		+ A	.dd
Ref. Freq. (MHz) * 2585.000000 Emissions *		Frequency type *		Pov	rer dBW (eirp) .0	•	Power type * Mean Power			~	Tolerance		+ A	dd
Ref. Freq. (MHz) * 2585.000000 Emissions * 9M00D7W ×		Frequency type * Registered Frequency		Pov	ver dBW (eirp) .0	•	Power type *			~	Tolerance		+ A	dd
Ref. Freq. (MHz) * 2585.000000 Emissions * 9M00D7W ×		Frequency type * Registered Frequency		Pov	ver dBW (eirp) .0	•	Power type *			~	Tolerance		+ A	dd
Ref. Freq. (MHz) * 2585.000000 Emissions * 9M00D7W × Unwanted emissio	ncies	Frequency type * Registered Frequency		90v	ver dBW (eirp) .0	•	Power type *				Tolerance		+ A Remove + A	.dd
Ref. Freq. (MHz) * 2585.000000 Emissions * 9M00D7W × Unwanted emission Search for a spectrum	on limits (UEL)	Frequency type * Registered Frequency		Pov 3:	ver dBW (eirp) .0	•]	Power type * Mean Power			~	Tolerance		+ A Remove + A	.dd
Ref. Freq. (MHz) * 2585.00000 Emissions * 9M00D7W × Unwanted emissio Search for a spectrum Start typing to searc	on limits (UEL) n mask record th for a spectrum ma	Frequency type * Registered Frequency		Pov 35	ver dBW (eirp) .0	•	Power type *			~	Tolerance		+ A Remove + A	.dd
Ref. Freq. (MHz) * 2585.000000 Emissions * 9M00D7W × Unwanted emission Search for a spectrum Start typing to search Graph point	on limits (UEL) n mask record ch for a spectrum ma eirp (dBW) *	Frequency type * Registered Frequency sk record Free	uency (MHz) *	Pon 31	ver dBW (eirp) .0	•	Power type * Mean Power			~	Tolerance	UEL	+ A Remove + A	.dd .dd
Ref. Freq. (MHz) * 2585.000000 Emissions * 9M00D7W × Unwanted emission Search for a spectrum Start typing to search Graph point	on limits (UEL) n mask record th for a spectrum ma eirp (dBW)* -10.0	Frequency type * Registered Frequency sk record Freq	uency (MHz) *	> 3:	ver dBW (eirp) .0	•	Power type *			~	Tolerance	UEL	+ A Remove + A	.dd .dd
Reteffice frequer Ret, Freq. (MHz) * [255.500000 Emissions * [9M00D7W ×] Unwanted emission Search for a spectrum Start typing to search Graph point A	on limits (UEL) n mask record h for a spectrum ma eirp (dBW) *	Frequency type * Registered Frequency sk record Freq 25	uency (MHz) * 50.000000	Por 3	ver dBW (eirp) .0	•	Power type *			~	Tolerance	UEL	+ A Remove + A	.dd .dd
Retefface frequer Ret, Freq. (MHz) * [2585.00000 Emissions * [9M00D7W × Unwanted emissio Search for a spectrum Start typing to search Graph point A	on limits (UEL) n mask record th for a spectrum ma eirp (dBW) • -10.0	Frequency type * Registered Frequency sk record Free 25	uency (MHz) *		ver dBW (eirp) .0	•	Power type *			~	Tolerance	UEL	+ A Remove + A	.dd .dd
Reterence trequer Ret. Freq. (MHz) * Start Space (MHz) * Start Space (MHz) * MODD7W × Unwanted emissio Search for a spectrum Start typing to search Graph point	on limits (UEL) n mask record ch for a spectrum ma eirp (dBW) * -10.0 0.0	Frequency type * Registered Frequency sk record Free 25 25 25	uency (MH2) * 50.000000		rer dBW (eirp) .0	•	Power type * Mean Power			~	Tolerance	UEL	+ A Remove + A	.dd .dd
Reference frequer Ref. Freq. (MHz) * 2585.00000 Emissions * 940007W × Unwanted emissio Search for a spectrum Start typing to searcc Graph point A B C C C C C C C C C C C C C C C C C C	on limits (UEL) m mask record th for a spectrum ma eirp (dBW)* -10.0 0.0	Frequency type * Registered Frequency sk record 25 25 25 25	uency (MHz) * 50.00000		ver dBW (eirp) .0 .0 Remove	•	Power type *			~	Tolerance	UEL	+ A Remove + A	.dd .dd

Note: To view the unwanted emissions data, click the **UEL/UEL Points** and **Graph** buttons, and click the **Graph** button to view the radiation pattern(s).

- Make any edits required and click **Save**.
- Alternatively, remove the existing record and add a new spectrum record.

- Click **Done**. The button changes to **Continue crafting**.
- 3. Click the Transmit licence details section.

Basic licence details					Continue crafting ~
Spectrum details					Continue crafting ~
O Transmit location details					Done
Location name	Grid reference	Antenna	Equipment		
89 SUGARLOAF	BX24 717.00 720.91	UNKNOWN		View Remove Show on Map	

Click View to open the Transmit licence details record.
 Note: If the location, antenna or equipment you require doesn't dis

Note: If the location, antenna or equipment you require doesn't display in the drop down list, you can add it. Refer to **Add Reference Data** in the <u>Create a Spectrum Licence user guide</u>.

O Transmit location details	s					Done
Location name	Grid reference	Antenna	Equipment			
89 SUGARLOAF	BX24 717.00 720.91	UNKNOWN		View Remove	Show on Map	
Transmit location						
Location identifier 24951	L0 81	ocation name 9 SUGARLOAF		Location type POINT		
Map BX24	Easting 717.00		Northing 720.91		+ Show all Geo ref types	
Antenna						
Search antenna Antenna identifier, make, mor	del, or type					
Antenna identifier	V	ersion		Make	Model	
30	1			UNKNOWN		
Туре	R	emarks				
UNKNOWN	-					
Azimuth (wrt True North)	E	levation (wrt Horizontal)		Height (AGL metres) *		
Equipment] [
Search equipment						
Equipment identifier, make o	r model					
Equipment identifier	V	ersion		Make	Model	
-	-			•	•	
Propagation						
Configuration loss (dB)						
L						
						Cancel Save

- Click View all Geo ref types to view more information, then click Hide all Geo ref types, if required.
- Make any edits you require, (e.g. to the **Height**, etc) and click **Save**.
- Alternatively, remove the existing record and/or add a new transmit record.
- Click **Done**. The button changes to **Continue crafting**.
- Click the Receive licence details section.
 Note: If the location, antenna or equipment doesn't display in the drop down list to select, you can add it. Refer to Add Reference Data in the <u>Create a Spectrum Licence user guide</u>.

Basic licence details					Continue crafting \sim
Spectrum details					Continue crafting ~
Transmit location details					Continue crafting ~
O Receive location details					Done
Search receive location Search + More Options			•		Clear Search
Location name 89 SUGARLOAF P AREA	Grid reference BW22 217.15 220.75 BW22 217.15 220.75 BW22 217.15 220.75 BW22 217.15 220.75 w	Antenna	Equipment	View Remove Show on Map	

- To add a new receive location:
 - Enter the location in the **Search receive location** field.
 - If required, click **More Options** and select a **Location type** and/or **Georeference type**.
 - Click **Search** and select the location you require.
- Click **View** to open the Receive licence details record.

89 SUGARLOAF P AREA	BW22 217.15 220,75 BW22 217.15 220,75 BW22 217.15 220,75 BW22 217.15 220,75 W22 217.15 220,75		View Remove	Show on Map		
Receive location						
Location identifier		Location name	Location type			
24994		89 SUGARLOAF P AREA	MULTIPLE POINTS			
Point	Мар	Easting	Northing			
	89/72	21715	220.75			+ Show all Geo ref types
	UNAL	and	1000			
-		-		+ Show all Geo ref	types	
				+ show all Geo ref	types	
-						
4	BY22	217.24	221.03			+ Show all Geo ref types
Antenna						
Search antenna						
Antenna identifier, n	nake, model, or type					
Antenna identifier		Version	Make			Model
-		+	-			
Туре		Remarks				
		*				
Azimuth (wrt True No	rth)	Elevation (wrt Horizontal)	 Height (AGL metres)			
Equipment						
Equipment						
Search equipment	r. make or model					
		-				
		*	-			- Model
Propagation						
Configuration loss (ds	3)	Protection ratio (dB)	Bearing (Degrees)			Path loss (dB)
			MDIS *			
Wanted signal		Measured signal	in is			

- Make the edits you require and click **Save**.
- Click **Done**. The button changes to **Continue crafting**.
- 4. Click the Authorities section.

Basic licence details	Continue crafting	~
Spectrum details	Continue crafting	~
Transmit location details	Continue crafting	~
Receive location details	Continue crafting	~
O Authorities	Done	~
Transfer licence * Rightholder and Manager		
Cancel lience Manager Only 0		
Modify licence * Rightholder and Manager	Cancel	Save

- Make changes to the authority to **Transfer Licence** and/or **Modify Licence** fields, if appropriate, and click **Save**.
- Click **Done**. The button changes to **Continue crafting.** A message displays at the top of the screen advising Associations have been successfully updated.
- 5. Click the **Conditions** section.

○ Conditions	Done	^
Specific conditions		
+ Show general conditions		
+ Show schedule conditions		
	Cancel	Save

- If required, expand **Show general conditions** and **Show schedule conditions** to view these conditions.
- Enter and conditions in the Specific conditions field, if appropriate and click Save.
- Click **Done.** The button changes to **Continue crafting**. A message displays at the top of the screen advising Conditions have been successfully saved.
- 6. If you have clicked **Done** for all sections, the *Modify Licence* screen refreshes and displays the Certify 'call to action'. Go to <u>Certify spectrum licence modification</u>.
 - If you have yet to indicate all sections have been completed, either:
 - click **Done**, or
 - complete the edits, click **Save**, then click **Done**.

Note: If you already indicated the section was complete, but need to make further edits, click **Continue crafting** for the required section and repeat the steps above for that section.

Certify and confirm spectrum licence modifications

You now need to certify the spectrum licence modification to create the certificate then either you or the client will confirm the details before the Registrar can grant the licence.

If you have more than one licence to confirm or to certify, you can perform the action for all licences at one time. Refer to <u>Certify or Confirm Multiple Applications</u>.

Certify spectrum licence modification

When you (as an ARE) have completed the modifications to the spectrum licence engineering (i.e. clicked **Done** for each section you crafted), the *Modify Licence* screen refreshes and displays the Certify 'call to action'.

1. Enter details in the Reference file no. and Engineers notes fields for your reference (if required).

ify Licence	Search 🗸	Apply/Create 🧹 Hain	ntain 🗸 🛛 Pay Fees 🗸	Reference Data 🗸	External RadioEngineerARE ~ ARE/Smart Business Limited 50668
			2		Copy Application Withdraw Application
Select (Certify all lice Reference file no.	nces including associated licences below as per the co Engineer's notes	inditions of the Engineer's Ce	ertificate.		
Client details ~					Englosee's Certificate Certify
Client number	Client name			Email address	
506682	Smart Business Limited			smartinfo@mbie.govt.nz	
+ More					
Application details ~					
Application number	Application status	Applic	cation date	Licence to be modified	
107187	Awaiting Engineering Certification	7-Nov	-2022	221331	
Licence type					
Spectrum Private/Other (Spectrum) (52)				
+ More					
					Copy Licence
Basic licence details					Continue crafting
Spectrum details					Continue crafting
• Transmit Incetion datalle					Continue confiler

Note: Should you longer want to proceed with this application to modify the spectrum licence, you can withdraw it. Refer to <u>Withdraw application to modify licence</u>.

2. Click **Certify**. The *Licence Summary* screen displays with a message at the top advising the engineers certificate has been successfully created and the licence is now 'Planned'.

C Licence Summary	Search 🧹 Apply/Create 🗸	Haintain 🗸 Pay Fees 🗸	Reference Data V
Back Client details ^			Show on map Uperice Editact View Certificate Delete certificate
Client number Client name 50682 Smart Business Limited + More Application details ~			Email address smart-info@mbia.govt.nz
Application number Application status SOTEF Planned Licence type Spectrum Private/Other (Spectrum) (S2) + More Basic Licence details ~		Application date 7-Nov-2022	Licence to be modified 221331
Licence ID Licence number 30068 - Ucence type Spectrum Private/Other (Spectrum) (52) Licence classification Licence to Transmit and Have No Interference	Literner status Planned MR Namber 319		Licence reference Test for Jank Manager The Crown acting by and through the Orlef Executive of the MBIE
External RadioEngineerARE (AREBOD2) Fixed term Yes Commencement date Expiry date 10-May-2020 10-Mar-2024 + Mare	Cancellation date		Granted Sate -

- RRF creates a **Confirm spectrum modification** task:
 - If the licence requires LA Approval, the task will be sent to them. You will wait for confirmation from the LA Office before continuing and sending to the initiator.
- The task goes to the initiator (e.g. Rightholder) for confirmation. This task displays in their *My Dashboard* screen. They will complete the process, <u>Confirm spectrum licence modification</u>.

cence	Search ~	Apply/Create 🗸 Maintain 🗸	Pay Fees V Reference Data V	Enternal RadioEngineerARE V ARE/TELECOM NEW ZEALAND LTD 135563
O The radio engineer's certification	te for each licence has been successfully cre	ated. Each licence is now 'Planned'.		×
Back			Show on map	Icence Extract View Certificate Delete certificate
Client details ~				
Client number	Client name		Email address	
135563	TELECOM NEW ZEALAND LTD		smart.client@med.govt.nz	
+ More				
Application details \sim				
Application number	Application status		Application date	
106911	Planned		4-Oct-2022	
Licence type				
Spectrum Crown/Broadcasting TV	//UHF TV (SP)			
+ More				
Basic licence details ~				
Licence ID	Licence number	Licence status	Licence reference	
300625		Planned	test	
Licence type		MR Number	Manager	
Spectrum Crown/Broadcasting TV	//UHF TV (SP)	185	Kordia Limited	
Licence classification				
Licence to Transmit and Have No	Interference			
Enrineer				
External RadioEngineerARE (ARE8	1002)			
Fixed term				
Yes				
Commencement date	Exploy date	Cancellation date	Granted date	
(0.4 3433	31-0-0-2022		APRIL OF COMPANY	

Note: If you clicked **Certify** in error and need to return to perform further crafting on the licence, click **Delete Certificate** and return to crafting the licence.

Confirm spectrum licence modification

When a modified licence has been certified by the ARE, RRF creates a confirm modifications task which is sent to the initiating party (e.g. Rightholder). This task displays in the **Tasks** list on their *My Dashboard* screen.

Once the modification has been confirmed, RRF generates a Form 8 task to complete.

The initiating party always approves the modifications made by the ARE first, then the other parties (if applicable) will confirm.

For example:

- If the Rightholder initiated the licence modification, once certified a new task will be sent to them to confirm the modifications.
- If the authorised persons are Rightholder and Manager, the initiator (usually the Rightholder) confirms first them the other authorising person (e.g. Manager) also confirms.
- If the authorised person is a Rightholder only or Manager only, then they can certify and confirm the licence.
- 1. Locate and open the **Modify licence Confirm licence** task in your *My Dashboard* screen. The *Licence Summary* screen displays with the 'call to action' to confirm at the top.

Summary		Search 🗸 Appl	y/Create 🗸 🛛 Halintain 🗸	Pay fees 🗸	Rightholder/Smart Business Limit
Back					Show on map Licence Extract View Certificate
Select [Confirm] to verify the detail	ils of the licence(s) below meet your req	uirements. If not, then sele	ct [Return to Engineer] to notify	the engineer what changes are required.	
					Return to engineer Confirm
Client details ~					
Client number	Client name			Email address	
506682	Smart Business Limited			smarLinfo@mble.govt.nz	
+ More					
Application details ^					
Application number	Application status		Application date	Licence to be modified	
107187	Planned		7-Nov-2022	221331	
Licence type					
Spectrum Private/Other (Spectrum) (SZ)	Č.				
+ More					
Basic licence details ~					
Licence ID	Licence number	Licence status		Licence reference	
C80106	1	Planned		Test for JanK	
Licence type		MR Number		Manager	
Spectrum Private/Other (Spectrum) (SZ)	6	319		The Crown acting by and through the Ch	of Executive of the MBIE
Licence classification					
Licence to Transmit and Have No Interfe	rence				
Engineer					
External RadioEngineerARE (ARE8002)					
Fixed term					
Yes					

- 2. Scroll through the record to check that all modifications meet your requirements.
 - Click the **View** button in each section (e.g. Spectrum details, Transmit location details, etc) to view all details of the updates made.
 - If required:
 - o Click View Certificate to view details of the certificate and/or
 - Click Licence Extract to view the extract from the Register.

Note: The information for these options display in a new tab in your browser. Either close the browser tab or click the *Licence Summary* tab to return to the *Licence Summary* screen.

- If you find any errors, click **Return to Engineer**. A message screen displays:
 - Enter the reason for rejection in the **Rejection reason** field and include any details of the changes required.
 - Click **OK**. RRF creates a task and sends it to the Engineer's *My Dashboard* screen for them to action. Once certified again, you will receive a confirmation task.
- 3. If the modifications to the spectrum licence meet requirements, click **Confirm**. A message screen displays:
 - Select the **Effective date** for the planned modifications and click **OK.** A message advising Form 8 application (Modify Spectrum Licence) has been assigned to the Rightholder to review.

Note: RRF creates a Form 8 Task which displays in the initiating party's *My Dashboard* screen.

4. Go to Confirm Form 8 - Initiating party.

Confirm Form 8 – Initiating party

Once the Modify Spectrum licence application has been confirmed by the Initiating party (e.g. Rightholder) they will receive a Form 8 task to review and submit.

When the initiating party submits the Form 8 (Modify spectrum licence) it will go to the Register of Radio Frequencies for granting unless it first requires confirmation from another authorising party, (e.g. Manager).

1. From your *My Dashboard* screen, select and open the **Form 8 – Draft application** task. *The Form 8 Notice of modification of spectrum licence* screen displays with the Submit 'call to action' at the top.

m 8 Notice of modification of spectru	m licence	Search 🗸 Ag	pply/Create \checkmark	Maintain \vee	Pay Fees 🗸	<u></u>	Rightholder/SMART BUSIN	ISS LIMITED 5066
 Select the SUBMIT option to progr Warning: The related Spectrum Lie 	ess the Form 8 Application (Modify Spectrum Lice ence has a current Mortgage. Select the Submit o	nce) to the Registrer of I ption to proceed.	Radio Frequencies (or DECLINE this app	lication.		Decline Sub	
Back							View Certificate Extract Po	em 8
Form 8 Notice of modificat	ion of spectrum licence							
Sections 57, 57A, 57B, and 57C Radiocom	munications Act 1989							
Basic Details								~
We, SMART BUSINESS LIMITED, being th spectrum licence number 218496, in rr is modified in accordance with the Sch	he righthalder for spectrum licence number 21544 spect of that spectrum licence, being a licence th hedule.	is, and The Crown acting at section 578 of the Act	t by and through th applies to, have a	e Chief Executive of preed that the spec	the MBIE being the manager un trum licence is modified in accor	der record of managem rdance with the Schedul	ent rights number 207, in relation to le. We give notice that the spectrum I	icence
Created by	Application number		Appl	cation status				
Joe Bloggs	100298		Draft					
Licence number	Licence ID		The	late from which the	e modifications are to apply is:			
218494	130171		8-Ma	r-2023				
Signed by:								
	SMART	BUSINESS LIMITED				307		
Dates							Unchanged	~
The frequencies that apply to th	is licence are as follows:						Unchanged	~
Unwanted Emission Limits							Unchanged	~
The maximum power, designatio	n of emissions, and horizontal radiation p	attern permitted und	der this licence a	re as follows			Unchanged	~

Note: If there is a Caveat or Mortgage on the Management Right you are advised in a message in the Submit 'call to action'.

- 2. Review details on the Form 8.
 - If required:
 - Click View Certificate to view details of the certificate in a new browser tab.
 - Click **Extract Form 8** to view the extract from the Register in a new browser tab. From this tab you can print the Form 8 or download it to a location on your computer.

Note: To return to the *Form 8 Notice of modification of spectrum licence* screen, click that tab in your browser.

- If you decide to decline the Form 8, click **Decline.** A confirmation message screen displays:
 - Enter the reason for declining and click **OK**. The modify spectrum licence application will be returned to the engineer who drafted it. This procedure ends.
- 3. Click Submit. A confirmation message displays:
 - Click **OK**. You return to the *My Dashboard* screen and a message at the top of the screen displays advising the next action.

- If the initiating party (e.g. Rightholder) has sole authorisation, the message advises your Form 8 application (Modify spectrum licence) has been submitted to the Registrar for approval.
- If the transfer requires confirmation from another authorising party (e.g. Manager), the message advises your Form 8 application (Modify spectrum licence) has been assigned to the Manager for review. Go to <u>Approve Form 8 – Authorising party</u>.

Approve Form 8 – Authorising party (if applicable)

When a Form 8 for a spectrum licence modification requires another authorising party to confirm, the Form 8 task will be sent to each party to review, confirm and approve.

The Authorising user (e.g. Manger) receives a Form 9 application task in their My Dashboard screen.

- 1. Select the Form 9 application task in the Tasks section of your My Dashboard screen.
 - Click **Open** (or click **Claim** then **Open**) to display the *Form 8 Notice of modification of spectrum licence* screen.

8 Notice of modif	fication of spectrum lice	nce Search 🗸	Apply/Create \vee	Maintain 🗸	Pay Fees \checkmark	Reference Data \vee	Correspondence \vee	RSM ~	David Reynolds CBM ~ Crown band manager/Th	e Crown acti
③ Select the AP	PROVE option to progress th	he Form 8 Application (Modif)	y Spectrum Licence) t	o the Registrer of Ra	dio Frequencies or	CANCEL this applicatio	n.			
Note: If requi	red an internal RRE can be	selected to peer review this a	pplication.				Peer Reviewer: (Optional)	Please select	V Decline App	rove
Back									View Certificate Extract	Form A
Form 8 Notic	e of modification of	or spectrum licence								
Sections 57, 57A, 57	B, and S7C Radiocommunica	itions Act 1989								
Basic Details										^
We, SMART BUSIN spectrum licence is modified in acc	VESS LIMITED, being the righ number 218494, in respect cordance with the Schedule	tholder for spectrum licence of that spectrum licence, bei	number 218494, and ng a licence that secti	The Crown acting by on 578 of the Act ap	and through the O plies to, have agree	nief Executive of the MB ed that the spectrum lic	IE being the manager unde ence is modified in accorda	r record of managem nce with the Schedul	ent rights number 207, in relation to e. We give notice that the spectrum	a licence
Created by		Application	n number		Applicat	ion status				
Joe Bloggs		100298			Draft					
Licence number		Licence ID			The date	from which the modifi	cations are to apply is:			
218494		130171			8-Mar-2	023				
Signed by:										
Joe Bloggs	Rightholder	SMART BUSINESS LIMI	TED					207	6-Mar-2023 16:05	
		The Crown acting by a	nd through the Chief	Executive of the MB	6			207		
Dates									Unchanged	~
The frequencie	es that apply to this lice	nce are as follows:							Unchanged	~
Unwanted Emi	ssion Limits								Unchanged	×
The martine		stations and backsons	-	and the second s	this there are not	a fallound			The share of the state of the s	

- 2. Review the details.
 - If you do not agree with this modification, click **Decline**.
 - Enter the reason for declining and click **OK**. The modify application is returned to the initiating party, (e.g. Rightholder) who will receive an email to advise the Form 8 has been declined by a Manager.
- 3. To authorise the modification, click **Approve**. You return to your *My Dashboard* screen and displays a message advising the next action for the Form 8, (e.g. your Form 8 application (Modify spectrum licence) has been submitted to the Registrar to review) unless it requires another confirmation.
 - If the Form 8 requires confirmation from another Manager, they will receive a task in their *My Dashboard* and repeat the steps above.

Note: If there is a Caveat on a licence being modified and after all parties have confirmed, RRF sends the **Form 8 Modify application** task to the relevant caveator for consent before it is sent to the Registrar for approval.

 Once approved by the Registrar, RRF will action the modification on the specified date and send a notification email to the parties.

The process ends

Certify or Confirm Multiple Applications

When you have more than one application to certify or to confirm, you can complete the certify or confirm action for all in one action rather than individually.

Certify multiple spectrum licences

1. Display your 'My Dashboard' screen and go to the Tasks area.

hboard	Search 🗸 Apply/Deale 🗸 Haistain 🗸 Pay Fees 🗸 Reference Data 🗸	External RadioEngineerA
Welcome to the Rey Welcome External to the Reg Spectrum Management (RSM The Register holds all inform right has been allocated.	gister of Radio Frequencies Isse of Radio Frequencies (RAF), it is the public online register of radio licences, spectrum licences and management rights issued by Radic In New Zealand ation of assigned frequency use, including the licence or spectrum rightholder details, and the time period for which the licence or spectru	Shortcuts Apply/Oreate - Licence Search - Clients Search - Licences
The following activities f	or the related client above require attention: Ince application please pay the appropriate fees: Puy Next Opplications)	Enable Multi Setera
~ Date	Description	Due date Actions
Apply for radio or spectrum	licence >	🔘 count: 6
22-Nov-2022 15:07	Confirm licence Client ID: 600000 App. ID: 107339 Licence ID: 301258	20-Dec-2022 More Open
1-Feb-2023 30:34	Craft licence Client ID: 135563 App. ID: 107776 Licence ID: 301914	1-Mar-2023 More Open
2-Feb-2023 15:40	Certify licence Client ID: 506682 App. ID: 107793 Licence ID: 301946	2-Mar-2023 More Open
15-Feb-2023 14:56	Certify licence Client ID: 505682 App. ID: 107790 Licence ID: 301942	15-Mar-2023 More Open
15-5a5-2012 16-27		
101760-2022 10121	Confirm licence (SMART BUSINESS LIMITED (S06682) App. ID: 10/900 Licence ID: 302060	15-Mar-2023 More Claim

2. Click Enable Multi Select. A radio button displays in front of each task.

Tasks 💍)		Disable Multi Se	lect
∨ Dat	te Des	cription	Due date Actions	
Apply for	radio or spectrum licence	> No tasks selected	0	count: €
0	22-Nov-2022 15:07	Confirm licence Client ID: 600000 App. ID: 107339 Licence ID: 301258	20-Dec-2022 More Open	
	1-Feb-2023 10:34	Craft licence Client ID: 135563 App. ID: 107776 Licence ID: 301914	1-Mar-2023 More Open]
0	2-Feb-2023 15:40	Certify licence Client ID: 506682 App. ID: 107793 Licence ID: 301946	2-Mar-2023 More Open	
0	15-Feb-2023 14:56	Certify licence Client ID; 506682 App. ID: 107790 Licence ID: 301942	15-Mar-2023 More Open	
0	15-Feb-2023 16:37	Confirm licence SMART BUSINESS LIMITED (506682) App. ID: 107900 Licence ID: 302060	15-Mar-2023 More Claim]
0	20-Feb-2023 11:42	Certify licence SMART BUSINESS LIMITED (506682) App. ID: 107139 Licence ID: 301014	20-Mar-2023 More Open]
4				- N

3. Click the radio button next to the first application to certify. Only those applications with the 'certify' call to action task will display to be selected.

4. Select the other spectrum licences in the list you want to certify.

Tasks 🖒				Disable Multi Select Action Selected	
0 ~	Date	Description	Due date	Actions	
Apply for ra	dio or spectrum licence	> Tasks selected (2)		count: 3	
0	2-Feb-2023 15:40	Certify licence Client ID: 506682 App. ID: 107793 Licence ID: 301946	2-Mar-2023	More Open	
0	15-Feb-2023 14:56	Certify licence Client ID: 506682 App. ID: 107790 Licence ID: 301942	15-Mar-2023	More Open	
0	20-Feb-2023 11:42	Certify licence SMART BUSINESS LIMITED (506682) App. ID: 107139 Licence ID: 301014	20-Mar-2023	More Open	
4				•	

- If you decide not to continue to process multiple applications, click **Disable Multi Select**. You return to the full list of tasks with no applications selected.
- 5. Click Action Selected. The Certify call to action displays.

Certify licence Select the CERTIFY option to certify all the selected licence applications (including associated licences if applicable) as per the conditions of the Engineers Certificate.	Disable Multi Select	Action Selected
Reference File No.	Due date Actions	
Optional		count S
Engineer's Notes		county .
	2-Mar-2023 Mor	e Open
Optional	15-Mar-2023 Mor	e Open
Cancel Certify	20-Mar-2023 Mor	e Open

- 6. Enter any relevant details in the **Reference file no.** field and include any other reference information in the **Engineer's notes** field, if appropriate. Details entered in these fields will display on all selected applications.
- 7. Click Certify. A message displays advising the selected applications are now certified.

Confirm (Approve) Multiple Spectrum Licences

Refer to the screen shots for Certify multiple spectrum licences above.

- 1. Display your 'My Dashboard' screen and go to the **Tasks** area.
- 2. Click Enable Multi Select. A radio button displays in front of each task.
- 3. Click the radio button next to the first application to confirm. Only those applications with the 'confirm' call to action task will display to be selected.
 - Select the other spectrum licences in the list you want to confirm.
 - If you decide not to continue to process multiple applications, click **Disable Multi Select**. You return to the full list of tasks with no applications selected.
- 4. Click Action Selected. The Confirm call to action displays.

Confirm planned licence	Disable Multi Select Action Selected	
Select the CONFIRM LICENCE option to progress these selected licence applications or RETURN TO ENGINEER for these selected licence applications.	Due date Actions	
Reason application returned to engineer	① count: 2	
	20-Dec-2022 More Open	
Cancel Return to Engineer Confirm Licence	15-Mar-2023 More Claim	

- If the selected applications need to be returned to the engineer for re-work, enter details in the **Reason application returned to engineer** field, click **Return to Engineer** then click **OK**. The Engineer will receive a task in their *My Dashboard* screen for action.
- 5. Click **Confirm Licence**. A message displays to advise Form 8 has been confirmed for each licence and the next action.

Withdraw application to modify licence

You withdraw an application to modify a spectrum licence at any time prior to it being certified. This can be due to an error, or you no longer want to proceed.

- 1. In the *Modify Spectrum Licence* screen, click **Withdraw Application**.
 - You return to your *My Dashboard* screen. A message displays at the top of the screen to advise **Application has been withdrawn**.



• The application has been completely removed from the RRF. You will need to create your new modify licence application again, if required.

The process ends.