

GEN 3.7 RADIO COMMUNICATION AND NAVIGATION FACILITIES

Where multiple VHF frequencies are listed for an ATS sector or unit, the listing is in order of precedence, i.e. first listed is primary, next is alternate, next is secondary, etc. Frequency order shown on the charts presides over any order shown in this table.

✕ NAVAID Purpose: A = Aerodrome, E = En-route, AE = dual purpose.

Note: CAR Part 171 requires all radio navigation aids to have suitable power supplies to ensure continuity of service. This is achieved by battery back-up, supplemented where applicable by standby generators.

**Table GEN 3.7-1
RADIO COMMUNICATION AND NAVIGATION FACILITIES – NEW ZEALAND FIR**

LOCATION	SERVICE or FACILITY	IDENT or CALLSIGN	# FREQ and/or CHANNEL	CO-ORDINATES in WGS-84	Hours of Operation	✕NAV AID Purpose	REMARKS
ALL AIRCRAFT			128.95		—		Aircraft to aircraft (chat frequency within NZ FIR)
	*	*	123.45		—		*Air to Air Channel for remote and oceanic areas out of range of VHF ground stations
ALEXANDRA COM	FIS	Christchurch Information	122.2		H24		
ALEXANDRA NAV	NDB	LX	386	S45 09 55.9 E169 28 47.5	H24	E	Rated coverage 20 NM
ARDMORE COM	FIS	Auckland Approach	120.1		H24		AVBL for IFR ACFT on GND at NZAR
	UNICOM	Ardmore UNICOM	118.1		HO		
	AWIB	Ardmore	121.0		HO		
ASHBURTON COM	FIS	Christchurch Approach	120.9		H24		AVBL for IFR ACFT on GND at NZAS

LOCATION	SERVICE or FACILITY	IDENT or CALLSIGN	# FREQ and/or CHANNEL	CO-ORDINATES in WGS-84	Hours of Operation	NAV AID Purpose	REMARKS
AUCKLAND COM	*		121.5		H24		*Distress/Emergency.
	FIS	Auckland Approach	120.1		H24		Ardmore facility AVBL for IFR ACFT on GND at NZAR.
	A/G	Auckland Radio	3467 5643 8867 13261 17904		H24		SP-MWARA SELCAL equipped.
	ACC) FIS)	Auckland Control	123.9 134.0		H24		Oceanic Radar
	ACC) FIS)	Auckland Control	126.0 120.5		H24		Raglan Sector
	APP) FIS)	Auckland Approach	124.3 129.6 129.5		H24		
	TWR) FIS)	Auckland Tower	118.7 120.95		H24		
	SMC	Auckland Ground	121.9		H24		
	CLR DELIVERY	Auckland Delivery	128.2		H24		
	ATIS/ D-ATIS	Auckland	127.8 127.0*		HO		*Improved cover on GND at NZAA
	APRON	Auckland Apron	123.0		HO		Apron information service provided by aerodrome operator on the international apron
	RFS	Auckland Fire Control	134.7		H24		Discrete emergency information

LOCATION	SERVICE or FACILITY	IDENT or CALLSIGN	# FREQ and/or CHANNEL	CO-ORDINATES in WGS-84	Hours of Operation	NAV AID Purpose	REMARKS
AUCKLAND NAV	VOR	AA	114.8	S37 00 16.7 E174 48 49.1	H24	AE	Nominal range at 10,000 ft: 80 NM Note: Terrain shielding may reduce AVBL range. MAG VAR 20°E
	DME	AA	CH 95X 114.8	S37 00 16.3 E174 48 49.4	H24	AE	Nominal range at 10,000 ft: 80 NM Note: Terrain shielding may reduce AVBL range. ELEV 29 ft
	ILS/LOC CAT I	IAA	110.3	S37 00 21.6 E174 48 27.6	HO	A	RWY 05R
	ILS/GP		335	S37 00 59.5 E174 46 27.5	HO	A	
	ILS/DME	IAA	CH40X	S37 01 00.0 E174 46 27.8	HO	A	
	ILS/LOC CAT II/III	IMG	109.9	S37 01 04.2 E174 45 54.9	HO	A	RWY 23L
	ILS/GP		333.8	S37 00 30.9 E174 48 10.8	HO	A	
	ILS/DME	IMG	CH36X	S37 00 31.4 E174 48 11.1	HO	A	
CHATHAM ISLANDS COM	A/G	Chatham Islands Radio	118.1		HO		O/R 24 HR PN Chatham Islands Airport Ltd
CHATHAM ISLANDS NAV	NDB	CI	322	S43 57 25.3 W176 33 58.8	HO	AE	O/R 24 HR PN Chatham Islands Airport Ltd Rated coverage 120 NM NOT ATS MNT

LOCATION	SERVICE or FACILITY	IDENT or CALLSIGN	# FREQ and/or CHANNEL	CO-ORDINATES in WGS-84	Hours of Operation	NAV AID Purpose	REMARKS
CHRISTCHURCH COM	*		121.5		H24		*Distress/Emergency
	FIS	Christchurch Information	127.1		H24		Kaitaia facility. Refer also to FISCOM charts
			124.1		H24		Kerikeri facility. AVBL for ACFT at NZKK and NZJI
			124.9		H24		Whangarei facility. Refer also to FISCOM charts
			118.5		H24		Refer FISCOM charts
			125.5		H24		Refer FISCOM charts. AVBL also for ACFT on GND at NZWK
			123.8		H24		Bay Sector facility. AVBL for IFR ACFT on GND at NZTG outside HR SER Bay Approach (Bay Sector)
			125.3		H24		Bay Sector facility. AVBL for IFR ACFT on GND at NZHN outside HR SER Bay Approach (Bay Sector)
			123.6		H24		Taupo facility. AVBL for IFR ACFT on GND at NZAP outside HR SER Bay Approach (Bay Sector)
			129.8		H24		Refer FISCOM charts. AVBL for IFR ACFT on GND at NZNP outside HR SER New Plymouth ATS
125.6		H24		Napier facility. AVBL for IFR ACFT on GND at NZGS outside HR SER Napier and Gisborne ATS, and for IFR ACFT on GND at NZWO outside HR SER Napier ATS			

LOCATION	SERVICE or FACILITY	IDENT or CALLSIGN	# FREQ and/or CHANNEL	CO-ORDINATES in WGS-84	Hours of Operation	NAV AID Purpose	REMARKS
CHRISTCHURCH COM (CONT)	FIS	Christchurch Information	124.8		H24		Napier facility. AVBL for IFR ACFT on GND at NZNR and NZHS outside HR SER Napier ATS
			125.1		H24		Ohakea facility. AVBL for IFR ACFT on GND at NZOH, NZPM and NZWU outside HR SER Ohakea Control
			124.2		H24		Refer FISCOM charts. AVBL also for ACFT on GND at NZMS
			121.3		H24		Refer FISCOM charts
			118.7		H24		Westport facility. Refer also FISCOM charts
			118.5		H24		Hokitika facility. Refer also FISCOM charts
			124.45		H24		Refer FISCOM charts
			123.5		H24		Refer FISCOM charts
	122.2		H24		Refer FISCOM charts. AVBL for IFR ACFT on GND at NZQN outside HR SER Queenstown Approach ATS		
	ACC) APP) FIS)	Bay Approach	125.3* 119.5 123.8*		HO		Bay Sector (and Hamilton APP) * Outside Bay Sector hours see Christchurch FIS entry
FIS)	Christchurch Control	123.6		HO		Taupo facility. AVBL for IFR ACFT on GND at NZAP	
ACC) FIS)	Christchurch Control	123.7 121.1		H24		Taranaki Sector	

LOCATION	SERVICE or FACILITY	IDENT or CALLSIGN	# FREQ and/or CHANNEL	CO-ORDINATES in WGS-84	Hours of Operation	NAV AID Purpose	REMARKS
CHRISTCHURCH COM (CONT)	ACC) FIS)	Christchurch Control	129.4 128.1		H24		Kaikoura Sector
			129.3 128.1		H24		Area South Sector Limited cover below FL330 west of Fiordland coast to NZZC/NZZO FIR boundary
			123.7		H24		AVBL for IFR ACFT on GND at NZPM outside Ohakea and Palmerston North ATS HR SER
			129.4		H24		AVBL for IFR ACFT on GND at NZWB outside HR SER Wellington APP CTL
			129.3		H24		AVBL for IFR ACFT on GND at NZTU, and for IFR ACFT on GND at NZDN/NZTI outside Dunedin ATS HR SER
	APP) FIS)	Christchurch Approach	120.9 126.1 128.75		H24		
	FIS	Christchurch Control	120.9		H24		AVBL for IFR ACFT on GND at NZAS
	TWR) FIS)	Christchurch Tower	118.4 119.65		H24		
	SMC	Christchurch Ground	121.9 119.65		H24		
	CLR DELIVERY	Christchurch Delivery	128.2		H24		
	ATIS/ D-ATIS	Christchurch	127.2		HO		
	RFS	Christchurch Fire	134.7		H24		Discrete emergency frequency

LOCATION	SERVICE or FACILITY	IDENT or CALLSIGN	# FREQ and/or CHANNEL	CO-ORDINATES in WGS-84	Hours of Operation	NAV AID Purpose	REMARKS
CHRISTCHURCH NAV	VOR	CH	115.3	S43 30 14.8 E172 30 52.7	H24	AE	Nominal range at 10,000 ft: 80 NM Note: Terrain shielding may reduce AVBL range. MAG VAR 24°E
	DME	CH	CH100X	S43 30 15.1 E172 30 52.9	H24	AE	Nominal range at 10,000 ft: 80 NM Note: Terrain shielding may reduce AVBL range. ELEV 140 ft
	ILS/LOC CAT 1	ICH	109.9	S43 28 20.97 E172 33 04.15	HO	A	RWY 02
	ILS/GP		333.8	S43 29 39.99 E172 31 25.92	HO	A	
	ILS/DME	ICH	CH36X	S43 29 40.04 E172 31 26.02	HO	A	
	ILS/LOC CAT 1	IHW	110.3	S43 30 01.3 E172 31 08.2	HO	A	RWY 20
	ILS/GP		335.0	S43 28 34.1 E172 32 41.9	HO	A	
	ILS/DME	IHW	CH40X	S43 28 34.2 E172 32 42.0	HO	A	
DUNEDIN COM	APP) TWR) FIS)	Dunedin Tower	120.7 122.4		HO		Refer also FISCO charts
	FIS	Christchurch Control	129.3		H24		AVBL for IFR ACFT on GND at NZDN and NZTI outside Dunedin ATIS HR SER
	ATIS/ D-ATIS	Dunedin	126.45		HO		

LOCATION	SERVICE or FACILITY	IDENT or CALLSIGN	# FREQ and/or CHANNEL	CO-ORDINATES in WGS-84	Hours of Operation	NAV AID Purpose	REMARKS
DUNEDIN NAV	NDB	BE	394	S46 01 40.2 E169 58 59.6	H24	AE	Rated coverage 30 NM
	NDB	HL	378	S45 56 45.2 E170 09 43.0	H24	AE	Rated coverage 40 NM
	DME	HL	CH104X 115.7	S45 56 45.2 E170 09 43.0	H24	AE	Nominal range at 10,000 ft: 45 NM Note: Terrain shielding may reduce AVBL range. ELEV 131 ft
	NDB	MI	358	S45 52 17.0 E170 19 12.6	H24	A	Rated coverage 40 NM
	VOR	SW	112.7	S45 47 40.3 E170 28 37.9	H24	AE	Nominal range at 10,000 ft: 80 NM Note: Terrain shielding may reduce AVBL range. Terrain reflections may cause unreliable bearings below 4000 ft to the South. MAG VAR 25°E
	DME	SW	CH74X	S45 47 40.3 E170 28 38.5	H24	AE	Nominal range at 10,000 ft: 80 NM Note: Terrain shielding may reduce AVBL range. ELEV 2438 ft
	ILS/LOC CAT 1	IMN	110.3	S45 55 24.4 E170 12 34.9	HO	A	RWY 03
	ILS/GP		335.0	S45 55 59.7 E170 11 29.9	HO	A	
	ILS/DME	IMN	CH40X	S45 56 00.1 E170 11 30.5	HO	A	
	ILS/LOC CAT 1	IDN	109.9	S45 56 07.2 E170 11 03.8	HO	A	RWY 21
	ILS/GP		333.8	S45 55 35.7 E170 12 19.4	HO	A	
	ILS/DME	IDN	CH36X	S45 55 36.1 E170 12 19.9	HO	A	

LOCATION	SERVICE or FACILITY	IDENT or CALLSIGN	# FREQ and/or CHANNEL	CO-ORDINATES in WGS-84	Hours of Operation	±NAV AID Purpose	REMARKS
GISBORNE COM	APP) TWR) FIS)	Gisborne Tower	127.3 118.2		HO		Refer also FISCOM charts
	FIS	Napier Tower	125.6		HO		Napier facility. AVBL for IFR ACFT on GND at NZGS outside HR SER Gisborne ATS
		Christchurch Information	125.6		H24		Napier facility. AVBL for IFR ACFT on GND at NZGS outside HR SER Gisborne and Napier ATS
	ATIS/ D-ATIS	Gisborne	126.4		HO		
GISBORNE NAV	VOR	GS	114.2	S38 39 37.8 E177 58 39.2	H24	AE	Nominal range at 10,000 ft: 80 NM Note: Terrain shielding may reduce AVBL range. MAG VAR 21°E
	DME	GS	CH89X	S38 39 38.0 E177 58 38.7	H24	AE	Nominal range at 10,000 ft: 80 NM Note: Terrain shielding may reduce AVBL range. ELEV 23 ft

LOCATION	SERVICE or FACILITY	IDENT or CALLSIGN	# FREQ and/or CHANNEL	CO-ORDINATES in WGS-84	Hours of Operation	NAV AID Purpose	REMARKS
HAMILTON COM	APP) FIS)	Bay Approach	125.3 123.8		HO		
	FIS	Bay Approach	125.3		H24		AVBL for IFR ACFT on GND at NZHN outside HR SER Bay Approach (Bay Sector)
	TWR) FIS)	Hamilton Tower	126.8 119.8		HO		
	CLR DELIVERY	Hamilton	122.9		HO		
	ATIS/ D-ATIS	Hamilton	128.6		HO		
HAMILTON NAV	VOR	HN	114.0	S37 50 57.4 E175 20 18.7	H24	AE	Nominal range at 10,000 ft: 80 NM Note: Terrain shielding may reduce AVBL range. MAG VAR 21°E
	DME	HN	CH87X	S37 50 57.7 E175 20 19.0	H24	AE	Nominal range at 10,000 ft: 80 NM Note: Terrain shielding may reduce AVBL range. ELEV 182 ft
HASTINGS COM	FIS	Napier Tower	129.9		H24		AVBL for IFR ACFT on GND at NZHS. Refer also Napier 124.8 entry <i>Facility permanently retransmits onto Napier 124.8</i>
	AWIB	Hastings	132.95		H24		Wind, Mean Sea Level Pressure, Temperature, Dew-point
HAWERA COM	AWIB	Hawera	130.65		HO		Wind and QNH

LOCATION	SERVICE or FACILITY	IDENT or CALLSIGN	# FREQ and/or CHANNEL	CO-ORDINATES in WGS-84	Hours of Operation	NAV AID Purpose	REMARKS
HOKITIKA COM	FIS	Christchurch Information	118.5		H24		
HOKITIKA NAV	NDB	HK	310	S42 43 45.6 E170 57 22.4	H24	AE	Rated coverage 100 NM
	DME	HK	CH122X 117.5	S42 43 45.6 E170 57 22.4	H24	AE	Nominal range at 10,000 ft: 80 NM Note: Terrain shielding may reduce AVBL range. ELEV 47 ft
INVERCARGILL COM	APP) TWR) FIS)	Invercargill Tower	118.5 122.4		HO		Refer also FISCOM charts
	ATIS/ D-ATIS	Invercargill	127.0		HO		
INVERCARGILL NAV	VOR	NV	116.8	S46 24 41.7 E168 19 03.5	H24	AE	Nominal range at 10,000 ft: 80 NM Note: Terrain shielding may reduce AVBL range. MAG VAR 26°E
	DME	NV	CH115X	S46 24 42.1 E168 19 03.7	H24	AE	Nominal range at 10,000 ft: 80 NM Note: Terrain shielding may reduce AVBL range. ELEV 15 ft
KAIKOURA NAV	NDB	KI	350	S42 25 13.4 E173 41 43.9	H24	AE	Rated coverage 30 NM
KAITAIA COM	FIS	Christchurch Information	127.1		H24		
KAITAIA NAV	NDB	KT	238	S35 01 42.9 E173 14 32.5	H24	AE	Rated coverage 200 NM OW 100 NM inland. Caution excessive ADF fluctuations may be experienced to SE especially between 35 and 70 NM
	DME	KT	CH105X 115.8	S35 01 45.8 E173 14 28.2	H24	AE	Nominal range at 10,000 ft: 80 NM Note: Terrain shielding may reduce AVBL range. ELEV 16 ft

LOCATION	SERVICE or FACILITY	IDENT or CALLSIGN	# FREQ and/or CHANNEL	CO-ORDINATES in WGS-84	Hours of Operation	NAV AID Purpose	REMARKS
KERIKERI COM	FIS	Christchurch Information	124.1		H24		Kerikeri facility AVBL for ACFT at NZKK and NZJI
KERIKERI NAV	NDB	KK	226	S35 15 43.3 E173 54 40.0	H24	AE	Rated coverage 35 NM
	DME	KK	CH108X 116.1	S35 15 44.9 E173 54 40.3	H24	AE	Nominal range at 10,000 ft: 45 NM Note: Terrain shielding may reduce AVBL range. ELEV 556 ft
MASTERTON COM	FIS	Ohakea Control	126.7		HO		AVBL for IFR ACFT on GND at NZMS
		Christchurch Information	124.2		H24		
	AWIB	Masterton	132.8		HO		Wind and QNH
MERCER COM	AWIB	Mercer	119.2		HO		Wind and QNH
MILFORD COM	AFIS	Milford Flight Service	118.2		HO		
MOTUEKA COM	FIS	Nelson Tower	127.4		HO		AVBL for IFR ACFT on GND at NZMK
		Christchurch Control	123.7		H24		AVBL for IFR ACFT on GND at NZMK outside Nelson ATS HR SER

LOCATION	SERVICE or FACILITY	IDENT or CALLSIGN	# FREQ and/or CHANNEL	CO-ORDINATES in WGS-84	Hours of Operation	NAV AID Purpose	REMARKS
MOUNT MARY NAV	DME	RY	CH72X 112.5	S44 08 08.2 E170 16 50.2	H24	AE	Nominal range at 10,000 ft: 80 NM Note: Terrain shielding may reduce AVBL range. ELEV 3245 ft
NAPIER COM	APP) TWR) FIS)	Napier Tower	*124.8 118.1		HO		Refer also FISCOM charts. *Outside ATS hours see Christchurch FIS entry
	FIS	Napier Tower	*125.6		HO		AVBL for IFR ACFT on GND at NZWO, for IFR ACFT on GND at NZGS outside HR SER Gisborne ATS, and for VFR ACFT beyond 30 NM Napier. Refer also FISCOM charts. *Outside ATS hours see Christchurch FIS entry
			129.9		H24		AVBL range. AVBL for IFR ACFT on GND at NZHS. <i>Facility permanently retransmits onto Napier 124.8</i>
	ATIS/ D-ATIS	Napier	128.0		HO		
NAPIER NAV	VOR	NR	113.8	S39 27 13.7 E176 52 08.1	H24	AE	Nominal range at 10,000 ft: 80 NM Note: Terrain shielding may reduce AVBL range. MAG VAR 22°E
	DME	NR	CH85X	S39 27 14.1 E176 52 08.0	H24	AE	Nominal range at 10,000 ft: 80 NM Note: Terrain shielding may reduce AVBL range. ELEV 13 ft

LOCATION	SERVICE or FACILITY	IDENT or CALLSIGN	# FREQ and/or CHANNEL	CO-ORDINATES in WGS-84	Hours of Operation	NAV AID Purpose	REMARKS
NELSON COM	APP) TWR) FIS)	Nelson Tower	127.4		HO		Refer also FISCOM charts
	FIS	Nelson Tower	127.4		HO		AVBL for IFR ACFT on GND at NZMK
	FIS	Christchurch Control	123.7		H24		AVBL for IFR ACFT on the GND at NZNS and NZMK outside Nelson ATS HR SER
	CLR DELIVERY	Nelson Delivery	123.3		HO		
	ATIS/ D-ATIS	Nelson	129.1		HO		
NELSON NAV	VOR	NS	113.1	S41 18 13.27 E173 12 58.67	H24	AE	Nominal range at 10,000 ft: 80 NM. Limited range to east and south east due terrain. MAG VAR 23°E
	DME	NS	CH78X	S41 18 12.99 E173 12 58.26	H24	AE	Nominal range at 10,000 ft: 80 NM. Limited range to east and south east due terrain. ELEV 24 ft
NEW PLYMOUTH COM	APP) TWR) FIS)	New Plymouth Tower	124.7 125.4		HO		
	FIS	Christchurch Information	129.8		H24		AVBL for IFR ACFT on GND at NZNP outside New Plymouth ATS HR SER
	ATIS/ D-ATIS	New Plymouth	127.05		HO		

LOCATION	SERVICE or FACILITY	IDENT or CALLSIGN	# FREQ and/or CHANNEL	CO-ORDINATES in WGS-84	Hours of Operation	NAV AID Purpose	REMARKS
NEW PLYMOUTH NAV	VOR	NP	114.4	S39 00 26.1 E174 11 02.2	H24	AE	Nominal range at 10,000 ft: 80 NM Note: Terrain shielding may reduce AVBL range. MAG VAR 21°E
	DME	NP	CH91X	S39 00 26.1 E174 11 02.2	H24	AE	Nominal range at 10,000 ft: 80 NM Note: Terrain shielding may reduce AVBL range. ELEV 95 ft
OHAKEA COM	*		121.5 243.0		H24		*Distress/Emergency
	FISB	Ohakea Flight Information	124.5		H24		Ohakea facility — Refer GEN 3.4 Chapter 3.4 Available also via telephone 06 351 5477
	ACC) FIS)	Ohakea Control	126.2 128.5 269.3		HO		Ohakea Area Sector

LOCATION	SERVICE or FACILITY	IDENT or CALLSIGN	# FREQ and/or CHANNEL	CO-ORDINATES in WGS-84	Hours of Operation	NAV AID Purpose	REMARKS
OHAKEA COM (CONT)	ACC) FIS)	Ohakea Control	126.7		HO		Ohakea Area Sector AVBL for IFR ACFT on GND at NZMS
			126.2		HO		AVBL for IFR ACFT on GND at NZPM outside Palmerston North ATS HR SER
	APP) FIS)	Ohakea Approach	125.1*		HO		*Outside Ohakea hours see Christchurch FIS entry
			128.5 123.2 263.4				
	FIS	Ohakea Approach	120.4		HO		HO. For IFR ACFT on GND at NZWU
	FIS	Christchurch Information	125.1		H24		AVBL for IFR ACFT on GND at NZPM and NZOH outside HR SER Ohakea Control
	TWR) FIS)	Ohakea Tower	134.5		H24		
			255.4				
SMC	Ohakea Ground	122.1		H24			
		258.5					
ATIS/ D-ATIS	Ohakea	280.4 135.0		HO		Broadcast to military STD when RNZAF operations being conducted	

LOCATION	SERVICE or FACILITY	IDENT or CALLSIGN	# FREQ and/or CHANNEL	CO-ORDINATES in WGS-84	Hours of Operation	NAV AID Purpose	REMARKS	
OHAKEA NAV	VOR	OH	117.1	S40 12 34.6 E175 23 31.1	H24	AE	Nominal range at 10,000 ft: 80 NM Note: Terrain shielding may reduce AVBL range. MAG VAR 22°E	
	DME	OH	CH118X	S40 12 34.6 E175 23 31.1	H24	AE	Nominal range at 10,000 ft: 80 NM Note: Terrain shielding may reduce AVBL range. ELEV 184 ft	
	ILS/LOC CAT 1	IRM	110.7	S40 12 34.5 E175 24 01.1	HO	A	RWY 27	
	ILS/GP		330.2	S40 12 17.2 E175 22 37.0	HO	A		
	ILS/DME	IRM	CH44X	S40 12 17.3 E175 22 37.0	HO	A		
	ILS/LOC CAT 1	IOH	111.1	S40 12 07.8 E175 22 19.8	HO	A		
	ILS/GP		331.7	S40 12 35.2 E175 23 45.5	HO	A		
	ILS/DME	IOH	CH48X	S40 12 35.3 E175 23 45.3	HO	A		
OHURA NAV	DME	OR	CH77X 113.0	S38 49 36.30 E174 48 24.13	H24	E		Nominal range at 10,000 ft: 80 NM Note: Terrain shielding may reduce AVBL range. ELEV 1564 ft

LOCATION	SERVICE or FACILITY	IDENT or CALLSIGN	# FREQ and/or CHANNEL	CO-ORDINATES in WGS-84	Hours of Operation	NAV AID Purpose	REMARKS
PALMERSTON NORTH COM	APP) FIS)	Ohakea Approach	125.1 128.5 123.2 263.4		HO		
	FIS	Ohakea Control	126.2		HO		AVBL for IFR ACFT on GND at NZPM outside Palmerston North ATS HR SER
		Christchurch Information	125.1		H24		AVBL for IFR ACFT on GND at NZPM outside HR SER Ohakea Control and Palmerston North ATS
	TWR) FIS)	Palmerston Tower	120.6		HO		
	SMC	Palmerston Ground	121.7		HO		Refer NZPM ATIS for SMC hours
	ATIS/ D-ATIS	Palmerston	129.7		HO		
PALMERSTON NORTH NAV	VOR	PM	113.4	S40 19 12.9 E175 38 16.3	H24	AE	Nominal range at 10,000 ft: 80 NM Note: Terrain shielding may reduce AVBL range. MAG VAR 22°E
	DME	PM	CH81X	S40 19 12.9 E175 38 16.3	H24	AE	Nominal range at 10,000 ft: 80 NM Note: Terrain shielding may reduce AVBL range. ELEV 198 ft
PARAPARAUMU COM	AFIS	Paraparaumu Flight Service	118.3		HO		
	FIS	Wellington Approach	119.75		H24		AVBL for IFR ACFT on GND at NZPP outside HR SER Paraparaumu ATS
PARAPARAUMU NAV	NDB	PP	242	S40 54 10.8 E174 59 00.1	H24	AE	Rated coverage 50 NM
	DME	PP	CH120X 117.3	S40 54 09.9 E174 58 54.8	H24	AE	Nominal range at 10,000 ft: 45 NM Note: Terrain shielding may reduce AVBL range. ELEV 32 ft

LOCATION	SERVICE or FACILITY	IDENT or CALLSIGN	# FREQ and/or CHANNEL	CO-ORDINATES in WGS-84	Hours of Operation	NAV AID Purpose	REMARKS
PAUANUI BEACH COM	AWIB	Pauanui	130.6		HO		Wind
QUEENSTOWN COM	APP) FIS)	Queenstown Approach	125.75 122.95		HO		AVBL for IFR ACFT on GND at NZQN outside HR SER Queenstown Tower ATS
	TWR) FIS)	Queenstown Tower	118.1 128.9		HO		
	CLR DELIVERY	Queenstown Delivery	121.9		HO		
	FIS	Queenstown Information	128.9		HO		Refer also FISCOM charts
		Christchurch Information	122.2		H24		AVBL for IFR ACFT on GND at NZQN outside Queenstown Approach ATS HR SER
ATIS/ D-ATIS	Queenstown	126.4		HO			
QUEENSTOWN NAV	VOR	QN	113.6	S44 59 02.8 E168 46 57.5	H24	AE	Nominal range at 10,000 ft: 80 NM Note: Terrain shielding may reduce AVBL range. MAG VAR 24°E
	DME	QN	CH83X	S44 59 03.2 E168 46 57.8	H24	AE	Nominal range at 10,000ft: 80 NM Note: Terrain shielding may reduce AVBL range. ELEV 2048 ft

LOCATION	SERVICE or FACILITY	IDENT or CALLSIGN	# FREQ and/or CHANNEL	CO-ORDINATES in WGS-84	Hours of Operation	NAV AID Purpose	REMARKS
ROTORUA COM	ACC) APP) FIS)	Bay Approach	119.5 123.8		HO		Bay Sector
	TWR) FIS)	Rotorua Tower	121.2 120.1		HO		
	ATIS/ D-ATIS	Rotorua	128.8		HO		
ROTORUA NAV	VOR	RO	112.1	S38 06 29.0 E176 18 50.2	H24	AE	Nominal range at 10,000 ft: 80 NM Note: Terrain shielding may reduce AVBL range. MAG VAR 21°E
	DME	RO	CH58X	S38 06 29.4 E176 18 50.4	H24	AE	Nominal range at 10,000 ft: 80 NM Note: Terrain shielding may reduce AVBL range. ELEV 944 ft
TAUMARUNUI NAV	NDB	TM	1630	S38 55 17.5 E175 18 49.4	H24	E	Rated coverage 40 NM at 5000 ft, 50 NM at 10000 ft.
TAUPO COM	FIS	Bay Approach	123.6		HO		AVBL for IFR ACFT on the GND at NZAP
	FIS	Christchurch Information	123.6		H24		AVBL for IFR ACFT on GND at NZAP outside HR SER Christchurch Control (Bay Sector)
	AWIB	Taupo	125.2		HO		
TAUPO NAV	NDB	AP	230	S38 44 35.6 E176 04 27.4	H24	AE	Rated coverage 30 NM
	DME	AP	CH114X 116.7	S38 44 35.6 E176 04 27.4	H24	AE	Nominal range at 10,000 ft: 45 NM Note: Terrain shielding may reduce AVBL range. ELEV 1273 ft

LOCATION	SERVICE or FACILITY	IDENT or CALLSIGN	# FREQ and/or CHANNEL	CO-ORDINATES in WGS-84	Hours of Operation	±NAV AID Purpose	REMARKS
TAURANGA COM	APP) FIS)	Bay Approach	123.8 119.5		HO		
	FIS	Christchurch Information	123.8		H24		AVBL for IFR ACFT on GND at NZTG outside HR SER Christchurch Control (Bay Sector)
	TWR) FIS)	Tauranga Tower	118.3 123.4 129.2		HO		
	ATIS/ D-ATIS	Tauranga	126.6		HO		
TAURANGA NAV	NDB	TG	346	S37 40 39.2 E176 11 28.4	H24	AE	Rated coverage 40 NM
	DME	TG	CH79X 113.2	S37 40 39.2 E176 11 28.4	H24	AE	Nominal range at 10,000 ft: 45 NM Note: Terrain shielding may reduce AVBL range. ELEV 26 ft
TIMARU COM	FIS	Christchurch Control	129.3		H24		AVBL for IFR ACFT on GND at NZTU
TIMARU NAV	NDB	TU	366	S44 18 30.4 E171 13 30.2	H24	AE	Rated coverage 30 NM
	DME	TU	CH106X 115.9	S44 18 30.1 E171 13 30.4	H24	AE	Nominal range at 10,000 ft: 45 NM Note: Terrain shielding may reduce AVBL range.
TORY NAV	DME	TR	CH93X 114.6	S41 11 09.4 E174 21 44.6	H24	E	Nominal range at 10,000 ft: 80 NM Note: Terrain shielding may reduce AVBL range. ELEV 1835 ft

LOCATION	SERVICE or FACILITY	IDENT or CALLSIGN	# FREQ and/or CHANNEL	CO-ORDINATES in WGS-84	Hours of Operation	NAV AID Purpose	REMARKS
WAIROA COM	FIS	Napier Tower	125.6		HO		For ACFT on the GND at NZWO
		Christchurch Information	125.6		H24		Napier facility. AVBL for IFR ACFT on GND at NZWO outside HR SER Napier ATS
WELLINGTON COM	*		121.5		H24		*Distress/ Emergency.
	FIS	Wellington Approach	119.75		H24		Paraparamu facility AVBL for IFR ACFT on GND at NZPP
	APP) FIS)	Wellington Approach	122.3 119.3 121.1		H24		
	TWR) FIS)	Wellington Tower	118.8 125.25		H24		
	SMC	Wellington Ground	121.9		H24		0630 - 2100 LMT
			118.8		H24		2100 - 0630 LMT
	CLR Delivery	Wellington Delivery	128.2		H24		
	ATIS/ D-ATIS	Wellington	126.9		HO		
RFS	Wellington Fire	134.7		H24		Discrete emergency frequency	

LOCATION	SERVICE or FACILITY	IDENT or CALLSIGN	# FREQ and/or CHANNEL	CO-ORDINATES in WGS-84	Hours of Operation	NAV AID Purpose	REMARKS
WELLINGTON NAV	VOR	WN	112.3	S41 20 14.0 E174 49 01.1	H24	AE	Nominal range at 10,000 ft: 80 NM Note: Terrain shielding may reduce AVBL range. Radial roughness and occasional flag warnings may be experienced over high terrain at minimum safe altitude. MAG VAR 23°E
	DME	WN	CH70X	S41 20 13.6 E174 49 02.0	H24	AE	Nominal range at 10,000 ft: 80 NM. Limited range to east and west, ELEV 400 ft
	NDB	NL	358	S41 13 43.6 E174 49 41.5	H24	A	Rated coverage 20 NM
	ILS/LOC CAT 1	IEB	110.3	S41 20 11.1 E174 48 22.5	HO	A	RWY 16. Due to restricted coverage of LOC to east and west, autocoupling should not be attempted until within 10° of final approach track. GP valid only when established on LOC CL. Slight roughness between 8-5 NM IEB DME may affect autocoupled approaches. DME Coverage restricted to +10° of LOC CL
	ILS/GP		335.0	S41 19 17.9 E174 48 23.1	HO	A	
	ILS/DME	IEB	CH40X	S41 19 17.9 E174 48 23.2	HO	A	RWY 34. Due to restricted coverage of LOC autocoupling should not be attempted until within 10° of final approach track GP valid only when established on LOC CL. Scalping may be experienced due to PSG road traffic
	ILS/LOC CAT 1	IMP	109.9	S41 19 01.9 E174 48 27.2	HO	A	
	ILS/GP		333.8	S41 19 54.9 E174 48 20.2	HO	A	
	ILS/DME	IMP	CH36X	S41 19 54.9 E174 48 20.3	HO	A	

LOCATION	SERVICE or FACILITY	IDENT or CALLSIGN	# FREQ and/or CHANNEL	CO-ORDINATES in WGS-84	Hours of Operation	NAV AID Purpose	REMARKS
WESTPORT COM	FIS	Christchurch Information	118.7		H24		
WESTPORT NAV	NDB	WS	278	S41 44 32.6 E171 34 48.1	H24	AE	Rated coverage 30 NM OL 90 NM OW. Caution: excessive ADF fluctuations may be experienced to the E
	DME	WS	CH116X 116.9	S41 44 26.3 E171 34 46.6	H24	AE	Nominal range at 10,000 ft: 45 NM Note: Terrain shielding may reduce AVBL range. ELEV 23 ft
WHAKATANE COM	FIS	Christchurch Information	125.5		H24		
WHAKATANE NAV	NDB	WK	362	S37 55 28.8 E176 54 55.6	H24	AE	Rated coverage 30 NM
	DME	WK	CH124X 117.7	S37 55 27.2 E176 54 55.4	H24	AE	Nominal range at 10,000 ft: 45 NM Note: Terrain shielding may reduce AVBL range. ELEV 33 ft
WHANGANUI COM	FIS	Ohakea Approach	120.4		HO		For IFR ACFT on GND at NZWU
		Christchurch Information	125.1		H24		AVBL for IFR ACFT on GND at NZWU outside HR SER Ohakea Control
	UNICOM	Whanganui UNICOM	120.2		HO		
	AWIB	Whanganui	129.0		H24		Wind velocity, wind direction, QNH, temperature, dew point, visibility, cloud, plus at times other aerodrome operations

LOCATION	SERVICE or FACILITY	IDENT or CALLSIGN	# FREQ and/or CHANNEL	CO-ORDINATES in WGS-84	Hours of Operation	NAV AID Purpose	REMARKS
WHANGANUI NAV	NDB	WU	382	S39 57 33.8 E175 01 35.4	H24	AE	Rated coverage 50 NM. In sector 305° to 060°, terrain effect causes excessive ADF needle fluctuations, especially at low level; NDB may be unusable beyond 12 NM
	DME	WU	CH107X 116.0	S39 57 30.7 E175 01 35.4	H24	AE	Nominal range at 10,000 ft: 45 NM. Reduced coverage over water, unlocks may occur at low levels. ELEV 197 ft
WHANGAREI COM	FIS	Christchurch Information	124.9		H24		
	AWIB	Whangarei	119.8		H24		Wind direction, windspeed, temperature, DP, QNH, other AP info
WHANGAREI NAV	NDB	SF	366	S35 53 07.7 E174 21 26.4	H24	AE	Rated coverage 70 NM
	NDB	WR	326	S35 46 18.6 E174 21 42.5	H24	AE	Rated coverage 50 NM
	DME	WR	CH120X 117.3	S35 46 16.8 E174 21 42.9	H24	AE	Nominal range at 10,000 ft: 45 NM Note: Terrain shielding may reduce AVBL range. ELEV 193 ft
WHENUAPAI COM	*		243.0		HO		*Distress watch
	APP) FIS)	Auckland Approach	124.3 129.6		H24		
	TWR) FIS)	Whenuapai Tower	134.5 119.9 255.4		HO		
	ATIS/ D-ATIS	Whenuapai	128.3		HO		

LOCATION	SERVICE or FACILITY	IDENT or CALLSIGN	# FREQ and/or CHANNEL	CO-ORDINATES in WGS-84	Hours of Operation	NAV AID Purpose	REMARKS
WHENUAPAI NAV	VOR/DME	WP	CH111X 116.4	S36 47 12.45 E174 37 52.45	H24	AE	Nominal range at 10,000 ft: 80 NM Note: Terrain shielding may reduce AVBL range. Not ATS MNT outside HR SER Whenuapai ATS. MAG VAR 20°E, ELEV 140 ft
	ILS/LOC CAT 1	IWI	110.7	S36 47 04.88 E174 38 23.36	HO	A	RWY 03. Restricted LOC coverage beyond 18 NM Restricted GP coverage beyond 9.2 NM
	ILS/GP		330.2	S36 47 43.6 E174 37 29.5	HO	A	
	ILS/DME	IWI	CH44X	S36 47 43.6 E174 37 29.4	HO	A	
	ILS/LOC CAT 1	IWP	111.1	S36 47 47.91 E174 37 12.48	HO	A	RWY 21. Restricted LOC coverage beyond 19 NM
	ILS/GP		331.7	S36 47 14.9 E174 38 16.7	HO	A	
	ILS/DME	IWP	CH48X	S36 47 14.8 E174 38 16.7	HO	A	
WOODBOURNE COM	APP) FIS)	Wellington Approach	122.3 119.3 121.1		H24		
	TWR) FIS)	Woodbourne Tower	122.8 118.1		HO		
	ATIS/ D-ATIS	Woodbourne	126.05		HO		
	FIS	Christchurch Control	129.4		H24		AVBL for IFR ACFT on GND at NZWB outside HR SER Wellington APP CTL

LOCATION	SERVICE or FACILITY	IDENT or CALLSIGN	# FREQ and/or CHANNEL	CO-ORDINATES in WGS-84	Hours of Operation	NAV AID Purpose	REMARKS
WOODBOURNE NAV	VOR	WB	115.6	S41 31 10.8 E173 51 45.7	H24	AE	Nominal range at 10,000 ft: 80 NM Note: Terrain shielding may reduce AVBL range. MAG VAR 22°E
	DME	WB	CH103X	S41 31 10.4 E173 51 45.5	H24	AE	Nominal range at 10,000 ft: 80 NM Note: Terrain shielding may reduce AVBL range. ELEV 110 ft

**Table GEN 3.7-2
RADIO COMMUNICATION AND NAVIGATION FACILITIES – AUCKLAND OCEANIC FIR**

LOCATION	SERVICE or FACILITY	IDENT or CALLSIGN	# FREQ and/or CHANNEL	CO-ORDINATES in WGS-84	Hours of Operation	✕NAV AID Purpose	REMARKS
AUCKLAND COM	ACC) FIS)	Auckland Control/ NZZO	HF A/G CPDLC/ ADS-C LOGON= NZZO		H24		Within Auckland Oceanic FIR
	*	*	123.45		—		*Air to Air Channel for remote and oceanic areas out of range of VHF ground stations
	A/G	Auckland Radio	3467 5643 8867 13261 17904		H24		SP — MWARA SELCAL equipped
			5726 9032 11256		HO		Normally operating 1 OCT – 1 MAR when McMurdo Centre is operating SELCAL equipped
	VOLMET	Auckland	6679 8828 13282		H24		VPAC broadcasts of 5 MIN duration commence H+20 and H+50
CHATHAM ISLANDS COM & NAV	Refer Table GEN 3.7-1 New Zealand FIR						
COOK SECTOR COM & NAV	Refer AIP Cook Islands.						

LOCATION	SERVICE or FACILITY	IDENT or CALLSIGN	# FREQ and/or CHANNEL	CO-ORDINATES in WGS-84	Hours of Operation	NAV AID Purpose	REMARKS
McMURDO COM	A/G	McMurdo Centre	*9032 11255		HO		South of 60° *Primary. Maintains continuous guard on primary frequency and listening watch on alternate frequency during operating season, normally 1 OCT – 1 MAR annually. Prior arrangement required at other times
NORFOLK ISLANDS COM & NAV	Refer AIP Australia						
SAMOA SECTOR COM & NAV	For SAMOA refer AIP SAMOA. For American Samoa refer PACIFIC AIP and Supplements.						
TONGA SECTOR COM & NAV	For the territory of TONGA refer AIP TONGA. For Niue refer AIP Niue.						

