

CONVERSION OF UNITS OF MEASUREMENT

CONVERSION TABLES.

DISTANCE	metres	nautical miles	1 m = 0.000539 NM
	nautical miles	metres	1 NM = 1852 m
	kilometres	nautical miles	1 km= 0.540 NM
	nautical miles	kilometres	1 NM = 1.852 km
	metres	feet	1 m = 3.2808 ft
	feet	metres	1 ft = 0.3048 m
TEMPERATURE	Celsius	Fahrenheit	t°F = (t°C x 1.8) + 32
	Fahrenheit	Celsius	t°C = (t°F -32)/1.8
TIME	hour	minutes and seconds	1 HR = 60 min = 3600 s
	minutes and seconds	hour	1 s = 0.01667 min = 0.0002778 HR
HORIZONTAL SPEED	metres / second	knots	1 m/s = 1.9438 kt
	knots	metres / second	1 kt = 0.514444 m/s
VERTICAL SPEED	metres / second	feet / minutos	1 m/s = 196.85 ft/min
	feet / minuto	metres / second	1 ft/min = 0.00508 m/s
PLANE ANGLE	arc second	arc minute	1'' = 0.01667'
	arc minute	arc second	1' = 60''

For more information, consult ICAO Annex 5 (Unit of measurement to be used in air and ground operations).

DME/TACAN CHANNEL CONVERSION TABLES

A) CHANNEL X - DME/TACAN CONVERSION

- DME/TACAN channel from 17 to 59, both inclusive: add to DME/TACAN channel (divided by 10) 106.3.
- DME/TACAN channel from 70 to 126, both inclusive: add to DME/TACAN channel (divided by 10) 105.3.

MHZ	.00	.10	.20	.30	.40	.50	.60	.70	.80	.90
108	17	18	19	20	21	22	23	24	25	26
109	27	28	29	30	31	32	33	34	35	36
110	37	38	39	40	41	42	43	44	45	46
111	47	48	49	50	51	52	53	54	55	56
112	57	58	59	70	71	72	73	74	75	76
113	77	78	79	80	81	82	83	84	85	86
114	87	88	89	90	91	92	93	94	95	96
115	97	98	99	100	101	102	103	104	105	106
116	107	108	109	110	111	112	113	114	115	116
117	117	118	119	120	121	122	123	124	125	126

B) CHANNEL Y - DME/TACAN CONVERSION

- DME/TACAN channel from 17 to 59, both inclusive: add to DME/TACAN channel (divided by 10) 106.35.
- DME/TACAN channel from 70 to 126, both inclusive: add to DME/TACAN channel (divided by 10) 105.35.

MHZ	.05	.15	.25	.35	.45	.55	.65	.75	.85	.95
108	17	18	19	20	21	22	23	24	25	26
109	27	28	29	30	31	32	33	34	35	36
110	37	38	39	40	41	42	43	44	45	46
111	47	48	49	50	51	52	53	54	55	56
112	57	58	59	70	71	72	73	74	75	76
113	77	78	79	80	81	82	83	84	85	86
114	87	88	89	90	91	92	93	94	95	96
115	97	98	99	100	101	102	103	104	105	106
116	107	108	109	110	111	112	113	114	115	116
117	117	118	119	120	121	122	123	124	125	126