

Operational Notes on Distance Measuring Equipment

2. DME – Principles of Operation

VOR FREQ (MHz)	TACAN/DME Channels									
	.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
133	-	-	-	60	61	62	63	61	65	66
134	67	68	69	-	1	2	3	4	5	6
135	7	8	9	10	11	12	13	14	15	16

Table 2. DME/VOR Channel Pairing

The rate of interrogation (referred to as pulse repetition frequency, or prf) is nominally 30 pulse pairs per second. However, during the search period this rate increases to approximately 150 pulse pairs per second. This design permits 100 aircraft to interrogate a ground beacon at one time. Identification of the ground beacon is in the form of Morse Code characters.

