

Summary of MTR Error Codes Contained in Externally Issued MTRs by Calendar Month																								
Error Type - Error Description	Month																		Monthly Averages			Working Day Averages		
	Jan-2004	Feb-2004	Mar-2004	Apr-2004	May-2004	Jun-2004	Jul-2004	Aug-2004	Sep-2004	Oct-2004	Nov-2004	Dec-2004	Jan-2005	Feb-2005	Mar-2005	Apr-2005	May-2005	Jun-2005	Max.	Min.	Average	Max.	Min.	Average
1 - COMMUNICATION - Other Error	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	5.0	0.0	0.3	0.3	0.0	0.0
7 - COMMUNICATION - Recorder configuration does not match TIM block configuration(ints/hr or # channels)	7	3	6	2	3	3	6	4	5	5	2	3	8	3	7	5	7	6	8.0	2.0	4.7	0.4	0.1	0.2
10 - COMMUNICATION - ID mismatch if ID matching requested	7	10	7	5	8	6	4	4	10	7	14	7	10	23	17	26	13	6	26.0	4.0	10.2	1.3	0.2	0.5
11 - COMMUNICATION - Recorder Initialization Date is Zero (PSI protocol only)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1.0	0.0	0.1	0.1	0.0	0.0
21 - COMMUNICATION - Other Error	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1.0	0.0	0.1	0.1	0.0	0.0
22 - COMMUNICATION - I/O Timeout	108	108	74	78	102	85	74	107	97	134	124	193	143	157	144	135	185	163	193.0	74.0	122.8	9.7	3.7	6.1
23 - COMMUNICATION - CRC/Checksum Bit Error on SDR Response	8	6	6	1	7	2	3	8	2	3	6	2	1	4	11	9	3	8	11.0	1.0	5.0	0.6	0.1	0.3
24 - COMMUNICATION - Protocol Error	8	7	7	8	7	4	7	3	2	3	5	4	12	9	16	7	16	18	18.0	2.0	7.9	0.9	0.1	0.4
25 - COMMUNICATION - Port Error	3	0	0	1	1	0	0	0	0	0	0	1	6	2	0	0	0	0	6.0	0.0	0.8	0.3	0.0	0.0
26 - COMMUNICATION - Security Error	208	185	200	155	139	118	130	144	127	123	121	107	93	59	71	95	55	45	208.0	45.0	120.8	10.4	2.3	6.0
27 - COMMUNICATION - Call Not Answered	253	245	205	222	303	343	353	396	303	455	284	470	312	355	361	503	407	479	503.0	205.0	347.2	25.2	10.3	17.4
28 - COMMUNICATION - Carrier Detect Lost	2	8	3	5	5	6	8	7	8	9	9	12	24	18	12	10	13	20	24.0	2.0	9.9	1.2	0.1	0.5
50 - COMMUNICATION - No New Pulse Data to Read	2	5	1	4	5	1	3	2	5	18	16	14	8	3	1	0	1	3	18.0	0.0	5.1	0.9	0.0	0.3
56 - COMMUNICATION - Calculated and Recorder Data Stop Time	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1.0	0.0	0.1	0.1	0.0	0.0
C07 - VALIDATION - Load Factor Limit Exceeded	0	0	0	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0	3.0	0.0	0.2	0.2	0.0	0.0
G01 - VALIDATION - Interval Tolerance	4	5	6	6	3	8	2	3	9	9	21	7	14	14	19	8	8	10	21.0	2.0	8.7	1.1	0.1	0.4
G02 - VALIDATION - Energy Tolerance	7	14	4	7	12	10	16	10	14	22	17	16	2	3	3	1	15	4	22.0	1.0	9.8	1.1	0.1	0.5
G05 - VALIDATION - Power Outage Interval Tolerance	149	127	185	206	410	354	448	332	272	419	249	240	154	163	214	410	349	508	508.0	127.0	288.3	25.4	6.4	14.4
H03 - VALIDATION - Energy Comparison, Main vs. Alternate	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1.0	0.0	0.1	0.1	0.0	0.0
I01 - VALIDATION - Power Outage	221	193	251	316	596	520	724	549	423	600	388	335	209	260	309	536	500	762	762.0	193.0	427.3	38.1	9.7	21.4
I03 - VALIDATION - CRC/ROM/RAM Checksum Error	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2.0	0.0	0.2	0.1	0.0	0.0
I04 - VALIDATION - Clock Error	2	0	2	0	1	1	1	1	1	2	3	4	13	12	15	5	5	7	15.0	0.0	4.2	0.8	0.0	0.2
I05 - VALIDATION - Reset Occurred	7	0	6	3	8	8	11	9	15	10	19	3	0	0	0	0	1	0	19.0	0.0	5.6	1.0	0.0	0.3
I06 - VALIDATION - Watchdog Timeout	1	0	0	0	1	0	0	0	1	0	0	1	0	1	0	1	0	0	1.0	0.0	0.3	0.1	0.0	0.0
I10 - VALIDATION - Data Missing	0	3	0	0	3	0	1	2	1	3	0	5	1	0	1	0	1	0	5.0	0.0	1.2	0.3	0.0	0.1
OTH - VALIDATION - Other	0	0	0	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1.0	0.0	0.2	0.1	0.0	0.0
																			Totals:		1,381.1			69.1