

# IESO Working Group, Review of Meter Trouble Reports



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- Dave Akers; Newmarket Hydro MMP
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- Rob Henschel; Horizon Utilities
- Patricia Price; Horizon Utilities MSP
- Travis Iwamoto; Hydro One MSP
- Gordon Messervey; Hydro One MSP
- Keith Rye; Peterborough MSP
- Alex N Lunycz ; Rodan MSP
- Jim Baksi; IESO
- Rowan Jones; IESO
- David Wilkinson; IESO
- Victor Wong; IESO

- Sponsored jointly by the RMSC and CRSC
- Examine issues and develop proposals for improvement to the MTR system within the restrictions of Market rules, Market manuals and resources (staff and IT development).

## January

**Total for month 1001**

**Total for Communication 624**

**Total for Validation 377**

Issue Date	Error Code	Counts	Error Type	Error Description
2005/01	7	8	COMMUNICATION	Recorder configuration does not match TIM block configuration(ints/hr or # channels)
2005/01	10	10	COMMUNICATION	ID mismatch if ID matching requested
2005/01	22	143	COMMUNICATION	I/O Timeout
2005/01	23	1	COMMUNICATION	CRC/Checksum Bit Error on SSSDR Response
2005/01	24	12	COMMUNICATION	Protocol Error
2005/01	25	6	COMMUNICATION	Port Error
2005/01	26	93	COMMUNICATION	Security Error
<b>2005/01</b>	<b>27</b>	<b>312</b>	<b>COMMUNICATION</b>	<b>Call Not Answered</b>
2005/01	28	24	COMMUNICATION	Carrier Detect Lost
2005/01	50	8	COMMUNICATION	No New Pulse Data to Read
2005/01	G01	14	VALIDATION	Interval Tolerance
2005/01	G02	2	VALIDATION	Energy Tolerance
2005/01	G05	154	VALIDATION	Power Outage Interval Tolerance
<b>2005/01</b>	<b>I01</b>	<b>209</b>	<b>VALIDATION</b>	<b>Power Outage</b>
2005/01	I04	13	VALIDATION	Clock Error
2005/01	I10	1	VALIDATION	Data Missing

## February

**Total for month 1054**

**Total for Communication 633**

**Total for Validation 421**

Issue Date	Error Code	Counts	Error Type	Error Description
2005/02	7	3	COMMUNICATION	Recorder configuration does not match TIM block configuration(ints/hr or # channels)
2005/02	10	23	COMMUNICATION	ID mismatch if ID matching requested
2005/02	22	157	COMMUNICATION	I/O Timeout
2005/02	23	4	COMMUNICATION	CRC/Checksum Bit Error on SSSDR Response
2005/02	24	9	COMMUNICATION	Protocol Error
2005/02	25	2	COMMUNICATION	Port Error
2005/02	26	59	COMMUNICATION	Security Error
<b>2005/02</b>	<b>27</b>	<b>355</b>	<b>COMMUNICATION</b>	<b>Call Not Answered</b>
2005/02	28	18	COMMUNICATION	Carrier Detect Lost
2005/02	50	3	COMMUNICATION	No New Pulse Data to Read
2005/02	G01	14	VALIDATION	Interval Tolerance
2005/02	G02	3	VALIDATION	Energy Tolerance
2005/02	G05	163	VALIDATION	Power Outage Interval Tolerance
<b>2005/02</b>	<b>I01</b>	<b>260</b>	<b>VALIDATION</b>	<b>Power Outage</b>
2005/02	I04	12	VALIDATION	Clock Error
2005/02	I06	1	VALIDATION	Watchdog Timeout

## March

**Total for month 1158**

**Total for Communication 646**

**Total for Validation 512**

Issue Date	Error Code	Counts	Error Type	Error Description
2004/03	7	6	COMMUNICATION	Recorder configuration does not match TIM block configuration(ints/hr or # channels)
2004/03	10	7	COMMUNICATION	ID mismatch if ID matching requested
2004/03	22	74	COMMUNICATION	I/O Timeout
2004/03	23	6	COMMUNICATION	CRC/Checksum Bit Error on SDR Response
2004/03	24	7	COMMUNICATION	Protocol Error
2004/03	26	200	COMMUNICATION	Security Error
<b>2004/03</b>	<b>27</b>	<b>205</b>	<b>COMMUNICATION</b>	<b>Call Not Answered</b>
2004/03	28	3	COMMUNICATION	Carrier Detect Lost
2004/03	50	1	COMMUNICATION	No New Pulse Data to Read
2004/03	56	1	COMMUNICATION	Calculated and Recorder Data Stop Time
2004/03	G01	6	VALIDATION	Interval Tolerance
2004/03	G02	4	VALIDATION	Energy Tolerance
2004/03	G05	185	VALIDATION	Power Outage Interval Tolerance
<b>2004/03</b>	<b>I01</b>	<b>251</b>	<b>VALIDATION</b>	<b>Power Outage</b>
2004/03	I04	2	VALIDATION	Clock Error
2004/03	I05	6	VALIDATION	Reset Occurred

## April

**Total for month 1564**

**Total for Communication 646**

**Total for Validation 798**

Issue Date	Error Code	Status Id	Error Type	Error Description
2005/04	7	5	COMMUNICATION	Recorder configuration does not match TIM block configuration(ints/hr or # channels)
2005/04	10	26	COMMUNICATION	ID mismatch if ID matching requested
2005/04	11	1	COMMUNICATION	Recorder Initialization Date is Zero (PSI protocol only)
2005/04	22	135	COMMUNICATION	I/O Timeout
2005/04	23	9	COMMUNICATION	CRC/Checksum Bit Error on SSSDR Response
2005/04	24	7	COMMUNICATION	Protocol Error
2005/04	26	95	COMMUNICATION	Security Error
<b>2005/04</b>	<b>27</b>	<b>503</b>	<b>COMMUNICATION</b>	<b>Call Not Answered</b>
2005/04	28	10	COMMUNICATION	Carrier Detect Lost
2005/04	G01	8	VALIDATION	Interval Tolerance
2005/04	G02	1	VALIDATION	Energy Tolerance
2005/04	G05	410	VALIDATION	Power Outage Interval Tolerance
2005/04	H03	1	VALIDATION	Energy Comparison, Main vs. Alternate
<b>2005/04</b>	<b>I01</b>	<b>536</b>	<b>VALIDATION</b>	<b>Power Outage</b>
2005/04	I04	5	VALIDATION	Clock Error
2005/04	I06	1	VALIDATION	Watchdog Timeout



- Use of the MTR Exception list to restrict the issuance of MTRs
- Review of the Power outage MTR
- Review of the timing of issuing for communication MTRs
- Review of MTRs issued for zero loading
- Utilizing VPN



- Preliminary review by the IESO of issues raised
- Meetings scheduled to discuss merits of issues
- Proposals to be developed and presented for approval to the RMSC and CRSC
- Final report for distribution by November 2005 and implementation by December 01 2005