

Communication MTRs

MTR Working Group Meeting

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Top Three Communication MTR Error Codes

q 27 – “CALL NOT ANSWERED”

- August 2005 – 547 occurrences in issued MTRs
- Average 18.3 per working day since Jan. 2004

q 22 – “I/O TIMEOUT”

- August 2005 – 267 occurrences in issued MTRs
- Average 6.8 per working day since Jan. 2004

q 26 – “SECURITY ERROR”

- August 2005 – 71 occurrences in issued MTRs
- Average 5.8 per working day since Jan. 2004

q All other Communication MTR Error Codes combined

- Average 2.2 per working day since Jan. 2004

q Call Collision

ü Within IESO’s MV-90 System

- More than 4 meters using same telephone circuit**
- Timing of meter upgrades at complex sites**

ü Between IESO’s MV-90 System and with Other MV-90 Systems

q Telephone System “Timing” Changes

- ü Bell does overnight network maintenance, switch changes**
- ü Higher impact on meters connected via telephone line sharing devices and “dial through” analogue extensions**

q Hardware problems with:

- ü Telephone circuit**
- ü Meter/Recorder modem**

q MV-90 attempts to connect to a meter that is different than the Master File indicates

- ü Can happen when ring signal “leaks” through a line sharing device and the incorrect meter (i.e. ION) answers a call intended for a different model of meter (i.e. Alpha).

q Can indicate a poor quality telephone circuit

- ü Connection established to do initial log on but quality intermittent and line connection fails during the download

q Can happen when MV-90 master file contains incorrect information

- ü Connect to wrong Device ID in Daisy Chain
- ü Password incorrect for time reset control

q Can happen when MV-90 master file contains incorrect information

- ü Connect to wrong Device ID in Daisy Chain**
- ü Password incorrect for specific meter being called**
- ü Password incorrect for time reset control**

q How do MSP's research Communication MTRs?

- **Call meter remotely to test connectivity – short call?**
- **Download data remotely with MV-90 – long call?**

q What options should be researched to reduce the number of Communication MTRs?