

# MIRT/MV-90 Master Files IESO Controlled Fields

Revenue Metering Sub-Committee Meeting


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- q **MIRT file submitted by MSP as part of the meter registration process**
- q **MIRT file registered as part of End to End Test (Master File)**
- q **Master file is used by MV90 to:**
  - Define communication parameters
  - Define translation parameters
  - Define validation parameters
  - Manage data transfers to up stream systems (MVStar)
- q **Any changes to the Masterfile is performed by the MSP by submitting a MIRT Update via Form 1488**
- q **Master file fields under the control of the IESO need to be redefined**
  - Phone number field is currently the only IESO/MSP\* controlled field
  - Fields located in Customer Master, Recorder Master and Meter Master MV90 tables

# MIRT Update Form 1488



**MIRT Update Form**

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MSP ID:

MSP Name:

Prepared By:

MeterPoint ID:

IESO Ticket #:

**Recorder Information**

	Current Value	Updated Value
Battery Install Date		
<b>Device Serial Number*</b>		
<b>Device ID*</b>		

**Recorder Remote Interrogation**

	Current Value	Updated Value
Local Phone Number		
Remote Phone Number		
Baud Rate		
Phone Password 1		
Phone Password 2		
Portable Reader Password		
Daisy Chain		
ID of Master in Chain		
ID of Next Slave in Chain		
Unit Address		

**Meter Channel Information**

	Current Value	Updated Value
<b>Meter Serial Number Channel 1*</b>		
<b>Meter Serial Number Channel 2*</b>		
<b>Meter Serial Number Channel 3*</b>		
<b>Meter Serial Number Channel 4*</b>		
<b>Meter Serial Number Channel 5*</b>		
<b>Meter Serial Number Channel 6*</b>		
<b>Meter Serial Number Channel 7*</b>		
<b>Meter Serial Number Channel 8*</b>		
<b>Meter Serial Number Channel 9*</b>		
<b>Meter Serial Number Channel 10*</b>		
<b>Meter Serial Number Channel 11*</b>		
<b>Meter Serial Number Channel 12*</b>		
<b>Meter Serial Number Channel 13*</b>		
<b>Meter Serial Number Channel 14*</b>		
<b>Meter Serial Number Channel 15*</b>		
<b>Meter Serial Number Channel 16*</b>		

Comments:

## q MIRT View

**Metering Installation Registration Tool**

File Help

Customer Information | Recorder Information | Recorder Remote Interrogation | Meter Channel Information

Customer ID: 1000078920    Total Number of Logical Channels: 10

**Group: Z**

Customer Name: SPECIFIC TS M28 PME    **Billing Cycle: 55**

Address 1 (Street): 123 SPECIFIC STREET    **Interrogation Cycle:**

Address 2: MY TOWN, ONT

**IESO CONTROLLED FIELD**

General Help:  
Use this form to enter the IMD Meter Point ID, the facility, address and contact information for the metering installation. Place your cursor over a field box to display a short description of the field. Click Help for more detailed information about the fields and using MIRT.

## q MV-90 Master File View

**Master File Maintenance**

File Edit Navigate Search Help

1 Customer: 1000078920

10 Channels: ABH12345, ABH12345, ABH12345, ABH12345, ABH12345, ABH12345

1 Recorder: 1000078920

Customer | Auto Transfer | Reports | Calculation Constants

Customer ID: 1000078920    **Group: Z**

Name: SPECIFIC TS M28 PME    Rate/Class:

Address 1: 123 SPECIFIC STREET    Strata:

Address 2: MY TOWN, ONT    SIC Code:

Contact:

Phone No.:

**Account No.:**    Logical Channels: 10

**Comment:**

# MV-90 Customer Master File "Auto Transfer Tab"

## q MIRT View

**Metering Installation Registration Tool**

File Help

Customer Information | Recorder Information | Recorder Remote Interrogation | Meter Channel Information

Customer ID: 1000078920 Total Number of Logical Channels: 10

Group: **Z** Billing Cycle: **55**

Customer Name: SPECIFIC TS M28 PME Interrogation Cycle: [ ]

Address 1 (Street): 123 SPECIFIC STREET

Address 2: MY TOWN, ONT

General Help:  
Use this form to enter the IMD Meter Point ID, the facility, address and contact information for the metering installation. Place your cursor over a field box to display a short description of the field. Click Help for more detailed information about the fields and using MIRT.

**IESO CONTROLLED FIELD**

## q MV-90 Master File View

**Master File Maintenance**

File Edit Navigate Search Help

1 Customer: 1000078920

10 Channels: ABH12345, ABH12345, ABH12345, ABH12345, ABH12345, ABH12345

1 Recorder: 1000078920

Customer | **Auto Transfer** | Reports | Calculation Constants

**Billing Transfer**

Billing Cycle: **55**

Billing Cycle Stop: 00:00

Last Upload to MF: 0000-00-00 00:00

Auto Build XFER File:

**Transfer 2**

Billing Cycle: [ ]

Billing Cycle Stop: 00:00

Last Upload to MF: 0000-00-00 00:00

Auto Build XFER File:

**Transfer 3**

Billing Cycle: [ ]

Billing Cycle Stop: 00:00

Last Upload to MF: 0000-00-00 00:00

Auto Build XFER File:

Interrogation Cycle: [ ]

MV-PBS ID:

**OPERATIONAL FIELD**

# MV-90 Recorder Master File "Recorder" Tab

## q MIRT View

**Metering Installation Registration Tool**

Customer Information | **Recorder Information** | Recorder Remote Interrogation | Meter Channel Information

Recorder ID: 1000078920      Location: SPECIFIC TS M28 PME

Battery Install Date: 00 / 00 / 00  
YY MM DD

Recorder Call Mode: **AN**      DST Option On Recorder:

Recorder Memory Size in KB: 100      Allow Auto. Time Set:

Intervals per Hour: 12      Date Initialized: 00 / 00 / 00 0000  
YY MM DD h:mm

Meter Type: Main Meter      Check/Redundant Meter ID: 1000078921

Check Meter Correlation Factor:

Device Type: ABB/PML IDN8300/8400/8500 V218 on      TIM Number: 99

Device Type Name: IDN 8x00V2xx

Device Serial Number: ABH12345

Device ID: PABH12345

Auto Plug Option:

**General Help:**  
Use this form to enter basic information about the meter, including the meter type, brand, and serial number. If the Meter Type is "Main", you must enter the Meter Point ID for the check or alternate meter in the Check/Redundant Meter ID field.

**IESO CONTROLLED FIELD**

## q MV-90 Master File View

**Master File Maintenance**

File Edit Navigate Search Help

1 Customer: 1000078920

10 Channels: ABH12345, ABH12345, ABH12345, ABH12345, ABH12345, ABH12345

1 Recorder: 1000078920

Recorder | More | Comm. | Plugging | Route | Inputs/Relays | Suppl.

Recorder ID: 1000078920      Call/Ret Mode: **AN Answer Mode**

Group ID:

Location: SPECIFIC TS M28 PME      Intervals Per Hr: 12

Device Model: IDN 8x00V2xx      Channel Offset: 0

Device ID: PABH12345      Active Channels: 10

Device S/N: ABH12345      Total Meters: 0

Meter Config Name:

Meter Changed:

Date Initialized: 0000-00-00 00:00

Last Stop Time: 0000-00-00 00:00

**OPERATIONAL FIELD**

### q MIRT View

Recorder ID: 1000078920 Location: SPECIFIC TS M28 PME  
 Device Type: IDN 8x00V2xx

Local Phone No. 9051234567~1234#+  
 Remote Phone No. ~22  
 Baud Rate 9600

Phone Password 1 02456X9  
 Phone Password 2 00101  
 Portable Reader Password

Answer Window Time 0001 to 2400  
 Answer Window Days All  
 Unit Address 0

General Help:  
 Use this form to enter phone number, password, and daisy chain information for the meter. Include the area code in the local phone number, for example, 4162123904

**IESO CONTROLLED FIELD**

### q MV-90 Master File View

1 Customer: 1000078920  
 10 Channels: ABH12345, ABH12345, ABH12345, ABH12345, ABH12345, ABH12345  
 1 Recorder: 1000078920

Recorder | **More** | Comm. | Plugging | Route | Inputs/Relays | Suppl.

TIM Number 99  
 Device Follows DST  
 LOP Option  
 Time Zone Adjust 0  
 Auto Timeset   
 Memory Size (Kb) 100  
 Alarm Task

Daisy Chain No Master/Slave  
 Master ID  
 Slave ID  
 Chromatograph ID  
 Battery Install 0000-00-00  
 Days On Battery 0  
 Min. On Battery 0  
 Meter Type M-Main Meter

TIM Config File

- q \*Local/Remote Phone number field is IESO/MSP Controlled
  - MSP controls area code, phone number and call processor strings
  - IESO controls strings to acquire dial tone and transfer sequences

# MV-90 Recorder Master File

## "Comm." Tab

### q MIRT View

**Local Phone No.** 9051234567~1234##+  
**Remote Phone No.** ~22

**Recorder ID** 1000078920    **Location** SPECIFIC TS M28 PME  
**Device Type** IDN 8x00V2xx

**Baud Rate** 9600

**Phone Password 1** 02456X9    **Answer Window Time** 0001 to 2400  
**Phone Password 2** 00101    **Answer Window Days** All

**Unit Address** 0

**General Help:**  
 Use this form to enter phone number, password, and daisy chain information for the meter. Include the area code in the local phone number, for example, 4162123904

**IESO CONTROLLED FIELD**

### q MV-90 Master File View

**1 Customer** 1000078920

**10 Channels** ABH12345, ABH12345, ABH12345, ABH12345, ABH12345, ABH12345

**1 Recorder** 1000078920

**Phone # - MV90** 9,1,9051234567+    **Phone # - RPC** ~1234##22

**Baud Rate** 9600    **Remote PC #** 00

**Unit Address** 0    **Phone Home No. 1**

**Phone Password 1** 02456X9    **Call Time (h:mm)** 0000

**Phone Password 2** 00101    **Call In Period** 180

**Reader Password**

**Answer Window** 00012400    **Days** A

**Answer Rings** 0    **Connect Type**

# MV-90 Recorder Master File "Plugging" Tab

## q MIRT View

**Metering Installation Registration Tool**

File Help

Customer Information | **Recorder Information** | Recorder Remote Interrogation | Meter Channel Information

Recorder ID: 1000078920 Location: SPECIFIC TS M28 PME

Battery Install Date: 00 / 00 / 00 (YY MM DD) Recorder Call Mode: AN DST Option On Recorder:

Recorder Memory Size in KB: 100 Allow Auto. Time Set:

Intervals per Hour: 12 Date Initialized: 00 / 00 / 00 0000 (YY MM DD hhmm)

Meter Type: Main Meter Check/Redundant Meter ID: 1000078921 Check Meter Correlation Factor:

Device Type: ABB/PML IDN8300/8400/8500 V218 on TIM Number: 99 Device Type Name: IDN 8x00V2xx

Device Serial Number: ABH12345 Device ID: PABH12345

**Auto Plug Option:**

**IESO CONTROLLED FIELD**

**General Help:**  
Use this form to enter basic information about the meter, including the meter type, brand, and serial number. If the Meter Type is "Main", you must enter the Meter Point ID for the check or alternate meter in the Check/Redundant Meter ID field.

## q MV-90 Master File View

**Master File Maintenance**

File Edit Navigate Search Help

1 Customer: 1000078920

10 Channels: ABH12345, ABH12345, ABH12345, ABH12345, ABH12345, ABH12345

1 Recorder: 1000078920

Recorder More Comm. **Plugging** Route Inputs/Relays Suppl.

**Auto-Plug Option: C Current Month**

Redundant/Check ID: 1000078921

Reference ID:

Missing Limit: 0

Reference %: 0

Outage:

- q **IESO controlled Customer Master file fields defined:**
  - Group
  - Billing Cycle
  - Interrogation Cycle
  - Account Number
  - Comment
  - Billing Transfer Fields – Auto Transfer Tab (all fields)
- q **IESO controlled Recorder Master file fields defined:**
  - Call/Retrieval Mode
  - Last Stop Time
  - Local Phone # \*\*
  - Remote Phone # \*\*
  - TIM Config File
  - Connect Type
  - Auto Plug Option
- q **IESO Production processes will permit modification of these fields to maintain operations**
- q **Does the RMSC agree with the classification of these fields?**

## q MIRT View

**Register Type** [E] **Encoder Type** [01]

**IESO CONTROLLED FIELD**

## q MV-90 Master File View

**Register Type** [Encoder] **Encoder Type** [01]

# MV-90 Channel Master File Ch 01-kWh DELIVERED "Multipliers & Readings" Tab

## q MIRT View

**Metering Installation Registration Tool**

File Help

Customer Information | Recorder Information | Recorder Remote Interrogation | Meter Channel Information

Recorder ID: 1000078920 Customer ID: 1000078920

Current Logical Channel: 1 of 10

Buttons: Append New Channel, Insert New Channel, Delete Current Channel, Channel Copy

Meter Serial Number: ABH12345  
 Meter Multiplier: 16800  
 Pulse Multiplier: 16800  
 Power Flow Direction: Delivered  
 Pulse Offset: 0  
 Unit of Measurement Code: 01  
 Redundant Meter Channel: 1  
 Redundant Channel Tolerance %: 0

Maximum Total Energy:   
 Minimum Total Energy:   
 Maximum Interval Demand: 900000  
 Minimum Interval Demand:   
 Zero Interval Tolerance:   
 Load Factor Tolerance:   
 Power Factor Tolerance:   
 % Change Between Intervals:

Tolerance Check %: 100  
 PT/CT Ratio:   
 Service Type: Wye  
 Register Type: E  
 Number of Dials: 8  
 Encoder Type: 01  
 KVA Set Number: 1  
 Omit On Upload:

**General Help:**  
 Use this form to set up and edit information for each channel in the meter. The middle column of fields only accepts input when the Meter Type is "standalone" and is grayed out for other meter types.

**IESO CONTROLLED FIELD**

## q MV-90 Master File View

**Master File Maintenance**

File Edit Navigate Search Help

1 Customer: 1000078920

10 Channels: ABH12345, ABH12345, ABH12345, ABH12345, ABH12345, ABH12345

1 Recorder: 1000078920

Channel (Meter) | **Multipliers & Readings** | Losses | Std. Checks | TOU Checks

Enter Meter Readings:

PT/CT Ratio: 0

Meter Read Decimal: 2

Start Meter Reading: 0

Encoder Base Reading: 0

Meter Multiplier: 16800

Pulse Multiplier: 16800

Pulse Offset: 0

Total Pulses: 0

Non-Recording KVARH

Option: None

Meter S/N:

Multiplier: 0

Number Of Dials: 5

Start Reading: 0

## q MIRT View

**Metering Installation Registration Tool**

File Help

Customer Information | Recorder Information | Recorder Remote Interrogation | Meter Channel Information

Recorder ID: 1000078920 Customer ID: 1000078920

Current Logical Channel: 1 of 10

Buttons: Append New Channel, Insert New Channel, Delete Current Channel, Channel Copy

Meter Serial Number: ABH12345  
 Meter Multiplier: 16800  
 Pulse Multiplier: 16800  
 Power Flow Direction: Delivered  
 Pulse Offset: 0  
 Unit of Measurement Code: 01  
 Redundant Meter Channel: 1  
 Redundant Channel Tolerance %: 0

Maximum Total Energy:   
 Minimum Total Energy:   
 Maximum Interval Demand: 900000  
 Minimum Interval Demand:   
 Zero Interval Tolerance:   
 Load Factor Tolerance:   
 Power Factor Tolerance:   
 % Change Between Intervals:

Tolerance Check %: 100  
 PT/CT Ratio:   
 Service Type: Wye  
 Register Type: E  
 Number of Dials: 8  
 Encoder Type: 01  
 KVA Set Number: 1  
 Omit On Upload:

**Option: NO No losses**

WIL Constant: 0  
 VIL Constant: 0  
 WCL Constant: 0  
 VCL Constant: 0  
 Volts Constant: 0  
 NL Correct Code:

**IESO CONTROLLED FIELD**

General Help:  
Use this form to set up and edit information for each channel in the meter. The middle column of fields only accepts input when the Meter Type is "standalone" and is grayed out for other meter types.

## q MV-90 Master File View

**Master File Maintenance**

File Edit Navigate Search Help

1 Customer: 1000078920

10 Channels: ABH12345, ABH12345, ABH12345, ABH12345, ABH12345, ABH12345

1 Recorder: 1000078920

Channel (Meter) | Multipliers & Readings | **Losses** | Std. Checks | TOU Checks

**Option: NO No losses**

WIL Constant: 0  
 VIL Constant: 0  
 WCL Constant: 0  
 VCL Constant: 0  
 Volts Constant: 0  
 NL Correct Code:

## q MIRT View

**Metering Installation Registration Tool**

Customer Information | Recorder Information | Recorder Remote Interrogation | Meter Channel Information

Recorder ID: 1000078920    Customer ID: 1000078920

Current Logical Channel: 1 of 10

Buttons: Append New Channel, Insert New Channel, Delete Current Channel, Channel Copy

Meter Serial Number: ABH12345    Maximum Total Energy:     Tolerance Check %: 100

Meter Multiplier: 16800    Minimum Total Energy:     PT/CT Ratio:

Pulse Multiplier: 16800    **Maximum Interval Demand: 900000**    Service Type: Wye

Power Flow Direction: Delivered    Minimum Interval Demand:     Register Type: E

Pulse Offset: 0    Zero Interval Tolerance:     Number of Dials: 8

Unit of Measurement Code: 01    Load Factor Tolerance:     Encoder Type: 01

Redundant Meter Channel: 1    Power Factor Tolerance:     KVA Set Number: 1

Redundant Channel Tolerance %: 0    % Change Between Intervals:     Omit On Upload:

**IESO CONTROLLED FIELD**

## q MV-90 Master File View

**Master File Maintenance**

File Edit Navigate Search Help

1 Customer: 1000078920

10 Channels: ABH12345, ABH12345, ABH12345, ABH12345, ABH12345, ABH12345

1 Recorder: 1000078920

Channel (Meter) | Multipliers & Readings | Losses | Std. Checks | TOU Checks

**Readings vs Pulses Tol. 100.0 %**

**Tolerance Type: M - multiplier method**

Interval Min. & Max. 0.0 to **900000.0**

Usage Min. & Max. 0.0 to 0.0

Interval Change Tol. 0.0 %    Power Factor Tol. 0.0 %

Load Factor Tol. 0.0 %    Zero Interval 0.0

Redundant/Check: Meter Channel 1, Channel Tolerance 0.0 %, Absolute Difference 0.0

# MV-90 Channel Master File Ch 05-V2h (A Phase) DELIVERED "Channel" Tab

## q MIRT View

**Metering Installation Registration Tool**

Recorder ID: 1000078920    Customer ID: 1000078920

Current Logical Channel: 5 of 10

Register Type: **E**    Encoder Type: **11**

Service Type: Wye

Meter Serial Number: ABH12345

PT/CT Ratio: 140

Maximum Interval Demand: 900000

Number of Dials: 8

Encoder Type: 11

Register Type: Encoder

Encoder Type: 11

Number of Dials: 8

Service Type: WYE

Power Flow: Delivered

Unit of Measure: 7

Meter Install Date: 0000-00-00 00:00

Power Flow: Delivered

General Help:  
Use this form to set up and edit information for each channel in the meter. The middle column of fields only accepts input when the Meter Type is "standalone" and is grayed out for other meter types.

**IESO CONTROLLED FIELD**

## q MV-90 Master File View

**Master File Maintenance**

1 Customer: 1000078920

10 Channels: ABH12345, ABH12345, ABH12345, ABH12345, ABH12345, ABH12345, ABH12345, ABH12345, ABH12345, ABH12345

1 Recorder: 1000078920

Channel Mapping #: 0

Register Type: Encoder

Encoder Type: 11

Number of Dials: 8

Service Type: WYE

Power Flow: Delivered

Unit of Measure: 7

Meter Install Date: 0000-00-00 00:00

Power Flow: Delivered

# MV-90 Channel Master File Ch 05-V2h (A Phase) DELIVERED "Multipliers & Readings" Tab

## q MIRT View

**IESO CONTROLLED FIELD**

## q MV-90 Master File View

# MV-90 Channel Master File Ch 05-V2h (A Phase) DELIVERED "Losses" Tab

## q MIRT View

**Metering Installation Registration Tool**

File Help

Customer Information | Recorder Information | Recorder Remote Interrogation | Meter Channel Information

Recorder ID: 1000078920      Customer ID: 1000078920

Current Logical Channel: 5 of 10

Buttons: Append New Channel, Insert New Channel, Delete Current Channel, Channel Copy

Meter Serial Number: ABH12345      Maximum Total Energy: [ ]      Tolerance Check %: 0

Meter Multiplier: 1      Minimum Total Energy: [ ]      PT/CT Ratio: 140

Pulse Multiplier: 1      Maximum Interval Demand: 900000      Service Type: Wye

Power Flow Direction: Delivered      Minimum Interval Demand: [ ]      Register Type: E

Pulse Offset: 0      Zero Interval Tolerance: [ ]      Number of Dials: 8

Unit of Measurement Code: 07      Load Factor Tolerance: [ ]      Encoder Type: 11

Redundant Meter Channel: [ ]      Power Factor Tolerance: [ ]      KVA Set Number: 0

Redundant Channel Tolerance %: 0      % Change Between Intervals: [ ]      Omit On Upload: [ ]

General Help:  
Use this form to set up and edit information for each channel in the meter. The middle column of fields only accepts input when the Meter Type is "standalone" and is grayed out for other meter types.

**IESO CONTROLLED FIELD**

## q MV-90 Master File View

**Master File Maintenance**

File Edit Navigate Search Help

1 Customer: 1000078920

10 Channels: ABH12345, ABH12345, ABH12345, ABH12345, ABH12345, ABH12345

1 Recorder: 1000078920

Channel (Meter) | Multipliers & Readings | **Losses** | Std. Checks | TOU Checks

Option: NO No losses

WIL Constant: 0

VIL Constant: 0

WCL Constant: 0

VCL Constant: 0

Volts Constant: 0

NL Correct Code: [ ]

# MV-90 Channel Master File

## Ch 05-V2h (A Phase) DELIVERED

### "Std. Checks" Tab

### q MIRT View

**Metering Installation Registration Tool**

Customer Information | Recorder Information | Recorder Remote Interrogation | Meter Channel Information

Recorder ID: 1000078920    Customer ID: 1000078920

Current Logical Channel: 5 of 10

Buttons: Append New Channel, Insert New Channel, Delete Current Channel, Channel Copy

Meter Serial Number: ABH12345    Maximum Total Energy:     **Tolerance Check %: 0**

Meter Multiplier: 1    Minimum Total Energy:     PT/CT Ratio: 140

Pulse Multiplier: 1    **Maximum Interval Demand: 900000**    Service Type: Wye

Power Flow Direction: Delivered    Minimum Interval Demand:     Register Type: E

Pulse Offset: 0    Zero Interval Tolerance:     Number of Dials: 8

Unit of Measurement Code: 07    Load Factor Tolerance:     Encoder Type: 11

Redundant Meter Channel:     Power Factor Tolerance:     KVA Set Number: 0

Redundant Channel Tolerance %: 0    % Change Between Intervals:     Omit On Upload:

**IESO CONTROLLED FIELD**

### q MV-90 Master File View

**Master File Maintenance**

File Edit Navigate Search Help

1 Customer: 1000078920

10 Channels: ABH12345, ABH12345, ABH12345, ABH12345, ABH12345, ABH12345

1 Recorder: 1000078920

Channel (Meter) | Multipliers & Readings | Losses | **Std. Checks** | TOU Checks

**Readings vs Pulses Tol. 5.0 %**

**Tolerance Type: P - percent method**

Interval Min. & Max. 0.0 to **900000.0**

Usage Min. & Max. 0.0 to 0.0

Interval Change Tol. 0.0 %    Power Factor Tol. 0.0 %

Load Factor Tol. 0.0 %    Zero Interval 0.0

Redundant/Check: Meter Channel 0, Channel Tolerance 0.0 %, Absolute Difference 0.0

# MV-90 Channel Master File Ch 08-I 2h (A Phase) DELIVERED "Channel" Tab

## q MIRT View

**Metering Installation Registration Tool**

Customer Information | Recorder Information | Recorder Remote Interrogation | Meter Channel Information

Recorder ID: 1000078920    Customer ID: 1000078920

Current Logical Channel: 8 of 10

Buttons: Append New Channel, Insert New Channel, Delete Current Channel, Channel Copy

Meter Serial Number: ABH12345    Maximum Total Energy:    Tolerance Check %: 0

Meter Multiplier: 1    Minimum Total Energy:    PT/CT Ratio: 120

Pulse Multiplier: 1    Maximum Interval Demand: 900000    Service Type: Wye

Power Flow Direction: Delivered    Minimum Interval Demand:    **Register Type: E**

Pulse Offset: 0    Zero Interval Tolerance:    **Encoder Type: 14**

Unit of Measurement Code: 10    Load Factor Tolerance:    Number of Dials: 8

Redundant Meter Channel:    Power Factor Tolerance:    KVA Set Number: 0

Redundant Channel Tolerance %: 0    % Change Between Intervals:    Omit On Upload:

**IESO CONTROLLED FIELD**

General Help:  
Use this form to set up and edit information for each channel in the meter. The middle column of fields only accepts input when the Meter Type is "standalone" and is grayed out for other meter types.

## q MV-90 Master File View

**Master File Maintenance**

File Edit Navigate Search Help

1 Customer: 1000078920

10 Channels: ABH12345, ABH12345, ABH12345, ABH12345, ABH12345, ABH12345

1 Recorder: 1000078920

Channel (Meter) | Multipliers & Readings | Losses | Std. Checks | TOU Checks

Physical Channel: 8    Logical Channel: 8    Channel Mapping #: 0

Group ID: Z    **Register Type: Encoder**

Meter S/N: ABH12345    **Encoder Type: 14**

Unit of Measure: 10    Number Of Dials: 8

Set Number: 0    Pulse Contact Type: C Form (three wire)

Meter Install Date: 0000-00-00 00:00    Service Type: WYE

XFER Account:    Power Flow: Delivered

Omit on Upload:     Perform Extended Validation:

# MV-90 Channel Master File Ch 08–12h (A Phase) DELIVERED “Multipliers & Readings” Tab

## q MIRT View

**IESO CONTROLLED FIELD**

## q MV-90 Master File View

# MV-90 Channel Master File Ch 08-I2h (A Phase) DELIVERED "Losses" Tab

## q MIRT View

**IESO CONTROLLED FIELD**

## q MV-90 Master File View

# MV-90 Channel Master File

## Ch 08-12h (A Phase) DELIVERED

### "Std. Checks" Tab

### q MIRT View

**Metering Installation Registration Tool**

Recorder ID: 1000078920    Customer ID: 1000078920

Current Logical Channel: 8 of 10

Buttons: Append New Channel, Insert New Channel, Delete Current Channel, Channel Copy

Meter Serial Number: ABH12345    Maximum Total Energy:     **Tolerance Check %: 0**

Meter Multiplier: 1    Minimum Total Energy:     PT/CT Ratio: 120

Pulse Multiplier: 1    **Maximum Interval Demand: 900000**    Service Type: Wye

Power Flow Direction: Delivered    Minimum Interval Demand:     Register Type: E

Pulse Offset: 0    Zero Interval Tolerance:     Number of Dials: 8

Unit of Measurement Code: 10    Load Factor Tolerance:     Encoder Type: 14

Redundant Meter Channel:     Power Factor Tolerance:     KVA Set Number: 0

Redundant Channel Tolerance %: 0    % Change Between Intervals:     Omit On Upload:

**IESO CONTROLLED FIELD**

### q MV-90 Master File View

**Master File Maintenance**

1 Customer: 1000078920

10 Channels: ABH12345, ABH12345, ABH12345, ABH12345, ABH12345, ABH12345

1 Recorder: 1000078920

Channel (Meter) | Multipliers & Readings | Losses | **Std. Checks** | TOU Checks

**Readings vs Pulses Tol. 100.0 %**

**Tolerance Type: M - multiplier method**

Interval Min. & Max. 0.0 to **900000.0**

Usage Min. & Max. 0.0 to 0.0

Interval Change Tol. 0.0 %    Power Factor Tol. 0.0 %

Load Factor Tol. 0.0 %    Zero Interval 0.0

Redundant/Check: Meter Channel 0, Channel Tolerance 0.0 %, Absolute Difference 0.0

- q **IESO controlled Channel Master file fields defined:**
  - Register Type
  - Encoder Type
  - Interval Max
  - Readings vs Pulses Tolerance
  - Tolerance Type
- q **Fields define channel validation criteria**
- q **Channel Master defined IESO controlled fields apply only to IESO Conforming Meters**
- q **Default field values are/will be defined in Meter Framework document**
- q **IESO to develop tools to maintain these fields**
- q **MSP to submit MIRT files in accordance with Meter Framework**
- q **Existing Master Files will be maintained by IESO (only IESO controlled fields)**
- q **WORK IN PROGRESS**
- q **Does the RMSC agree in principle with these definitions?**