

Electric RMI Field Implementation Process

1.0 Scope

This document is designed to set a standard for the RMI field implementation process. Modifications to the document are based on customer requirements. These modifications to the document, if any, can only be done by the customer and/or Whisper Communications, Inc.

Training and safety procedures are given by the customer/utility and are not part of this document. However, initial field installation training will be given by Whisper Communications.

2.0 RMI Field Configuration

All RMIs (Electric and Gas) will be electronically configured prior to installation. The RMIs will either be configured at the utility meter shop or at Whisper Communications' Customer Configuration process step, prior to shipping. The site of the RMI configuration will be jointly determined by Whisper Communications and the utility.

Whisper Communications will ship all Electric RMIs with a standard configuration for the field (See RMI field configuration document).

3.0 Field Implementation Process Instructions

- Configure Electric RMI-this is only required if the customer (utility) desires to have the RMIs specially configured at the utility Meter Shop. Set jumpers per utility requirements (See RMI Jumper Layout), if necessary.
- Determine installation route.
- Generate meter replacement forms (See "Electric Meter Replacement Forms" sheet).
- Install RMI on meter.
- Calibrate meter.
- Generate change out stickers (2 for each meter); on each sticker a barcoded RMI address and the new meter serial #. One sticker gets adhered to the "Meter Replacement Form" and the other on the replaced (old) meter; this step is performed in the field.
- Assign route to installer.

4.0 Field Implementation Process Instructions (cont.)

- Hand “Electric Meter Replacement Forms” and meters to installer. Each installer will be assigned one or more routes. A route consists of a set of houses on one particular street. The route should be determined by the utility.
- **Note: In the use of external antennae for retrofitted electric meters, install the antennae in locations where people will not be exposed to RF radiation above RF safety limits. The antenna should be installed so that people will not come within 20 cm (8 in.) of the antenna.**

5.0 Installation Instructions

- Arrive at assigned address on “Electric Meter Replacement Form”.
- Inform the customer of a temporary power outage due to meter replacement.
- If the meter is not easily accessible, ask the customer to lead you to the meter location.
- **Verify that the meter location is safe and no electrical dispersion residues at the meter surroundings. RMIs in electric meters should be installed in a location such that a minimum distance of 20 cm. (8 in.) from all persons can be maintained during normal operation. This is important in order to satisfy mobile transmitter RF exposure requirements and limit RF exposure.**
- Verify that the meter serial number at the site is the same as the old meter serial number on the “Electric Meter Replacement Form”. If the meter serial number does not match the number on the replacement form, write the correct meter serial number on replacement form.
- Make sure that the meter disk is rotating in the counter clockwise direction, prior to proceeding to the next step. clockwise direction, do not proceed with work for that particular location and immediately inform the Supervisor that the meter has been tampered with.
- Turn power off.
- Remove meter from socket.
- Select new meter from inventory. Remove one sticker from the back of the new meter and place it on the “Electric Meter Replacement Form” and the other sticker on the cover of the old meter.

- Place new meter in socket.
- Verify the meter is operational by verifying that the meter disk is rotating counter clockwise.
- Proceed to the next address.