ABSTRACT

DATA COMMUNICATION PROTOCOL IN AN AUTOMATIC METER READING SYSTEM

An automatic meter reading (AMR) system includes a fixed or mobile reader and an endpoint. The endpoint is interfaced to a utility meter and the fixed or mobile reader is capable of communicating with the endpoint via RF communication. In this system the fixed or mobile reader sends a message to the endpoint that includes a response mode direction; the response mode direction from the reader tells the endpoint to respond to the reader either in a mobile network mode or a fixed network mode.

Figure 1.