



A handheld field maintenance tool (52, 102) is provided. The tool (52, 102) includes, among other things, a wireless process communication protocol module (121) configured to communicate in accordance with a wireless process communication protocol. The tool (52, 102) also includes a display (120) and an input device (122). A controller (130) is coupled to the wireless process communication protocol module (121), the display (120), and the input device (122). The controller (130) is configured to generate a map on the display (120) indicating a position of the handheld field maintenance device (52, 102) relative to at least one asset, such as a field device (22, 23, 104). The controller (130) is further configured to determine a position of the handheld field maintenance device (52, 102) by triangulating using wireless process communication with a number of known, fixed-position wireless field devices (104).