



Asset Type: **Gas Transmission and Distribution**

Effective Date: **February 2008**

Function: **Maintenance, Construction**

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**Title: SCADA RTU Installation on Gas Facilities**

**Overview**

This work procedure standardizes the design and installation of Supervisory Control and Data Acquisition (SCADA) Remote Terminal Unit (RTU) equipment.

This document applies to new or replaced RTU installations in gas facilities.

A non-standard RTU installation could result in higher construction costs, as well as a higher maintenance expense associated with specialized training and increased inventory of spare parts.

**Governing Document**

This is a stand-alone document.

**Safety**

Conduct all work in accordance with all applicable safety rules, the [Code of Safe Practices](#), and [Utility Standard Practice \(USP\) 22, "Safety and Health Program."](#)

**Requirements**

Engineer and install a Supervisory Control and Data Acquisition (SCADA) Remote Terminal Unit (RTU) according to the procedure in this document. Installations of SCADA RTU not performed in accordance with these procedures may result in an unreliable, untested installation, which could prevent remote monitoring and safe operation of the gas facility.

**Detailed Procedures**

- A. Before engineering the project, review all new or replaced SCADA RTU installations with the senior gas engineer in the SCADA and Controls section of Station Engineering within Gas Engineering.
- B. After obtaining an overview of the project, the senior gas engineer carries out the following actions:
  - 1. Reviews the appropriateness of the referenced drawing(s).
  - 2. Coordinates construction of the SCADA screens.
  - 3. Ensures that the appropriate departments are contacted.

