

**Part 1            General**

**1.1            SECTION INCLUDES**

- .1        Procedures for demonstration and instruction of equipment and systems to Departmental Representative's personnel.

**1.2            PRECEDENCE**

- .1        Division 1 Sections take precedence over technical specification sections in other Divisions of this Project Manual.

**1.3            RELATED SECTIONS**

- .1        Section 01 78 00 - Closeout Submittals
- .2        Section 01 91 00 - Commissioning

**1.4            DESCRIPTION**

- .1        Demonstrate operation and maintenance of equipment and systems to Departmental Representative's personnel two weeks prior to date of final inspection.
- .2        Departmental Representative will provide list of personnel to receive instructions, and will coordinate their attendance at agreed-upon times.

**1.5            QUALITY CONTROL**

- .1        When specified in individual Sections, require manufacturer to provide authorized representative to demonstrate operation of equipment and systems, instruct Departmental Representative's personnel, and provide written report that demonstration and instructions have been completed.

**1.6            SUBMITTALS**

- .1        Submit schedule of time and date for demonstration of each item of equipment and each system two weeks prior to designated dates, for Departmental Representative's approval.
- .2        Submit reports within one week after completion of demonstration, that demonstration and instructions have been satisfactorily completed.
- .3        Give time and date of each demonstration, with list of persons present.

**1.7            CONDITIONS FOR DEMONSTRATIONS**

- .1        Equipment has been inspected and put into operation.
- .2        Testing, adjusting, and balancing has been performed in accordance with Section 01 91 00 and equipment and systems are fully operational.

- .3 Provide copies of completed operation and maintenance manuals for use in demonstrations and instructions.

**1.8 PREPARATION**

- .1 Verify that conditions for demonstration and instructions comply with requirements.
- .2 Verify that designated personnel are present.

**1.9 DEMONSTRATION AND INSTRUCTIONS**

- .1 Demonstrate start-up, operation, control, adjustment, trouble-shooting, servicing, and maintenance of each item of equipment at agreed upon times, at the equipment location.
- .2 Instruct personnel in all phases of operation and maintenance using operation and maintenance manuals as the basis of instruction.
- .3 Review contents of manual in detail to explain all aspects of operation and maintenance.
- .4 Prepare and insert additional data in operations and maintenance manuals when the need for additional data becomes apparent during instructions.

**1.10 TIME FOR INSTRUCTIONS**

- .1 Ensure amount of time required for instruction of each item of equipment or system is adequate, and amount of time meets Departmental Representative's acceptance.

**Part 2 Products**

**2.1 NOT USED**

- .1 Not Used.

**Part 3 Execution**

**3.1 NOT USED**

- .1 Not Used.

**END OF SECTION**