

Consideration shall be given to the fact that the personnel who shall participate to the course are not only the technical staff, the contents of the course shall be determined by paying attention to include general information free from technical details of the SCADA system. The contents of the information to be given in this course shall also be prepared by Contractor before the training service is provided and submitted to Engineer for approval.

### 8.25.3 Commencement and Duration of the Training

Unless otherwise stated or agreed with Engineer, the training activities shall begin one month before the completion date and shall continue during DNP.

### 8.25.4 Responsibilities of Contractor

The Contractor is responsible for the employment of the necessary personnel qualified to fulfill above mentioned training services in a manner to satisfy the Engineer. The Contractor may also employ the personnel who provide training services to fulfil Contractor's obligations for the operation and maintenance of SCADA system at the same time. However, in this case, Contractor is responsible to ensure that these personnel are experienced in both subjects and the obligations set forth in this specification regarding the operation and maintenance of SCADA system are fulfilled without being hindered while the training activities are carried out.

The Contractor is responsible for supplying the documents, equipments such as audio and video devices and similar resources to be used during the training activities, together with the expenses related to these items. Nevertheless, the Contractor by obtaining approval of the Engineer may use in the training activities the documents, hardware or software items to be supplied by Contractor according to definitions specified in this specification or to the agreements made with the Engineer.

### 8.25.5 Example Course Groups

In this section, definitions of example course groups are provided in order to help to Contractor create the contents of the training program. The Contractor shall use the definitions made herein but shall not be restricted only with these, he shall prepare the necessary training program in order to give the training service which the Contractor considers to be the most appropriate for the SCADA System to be installed. Even though the Contractor shall prepare the necessary training program in order to give the training service which the Contractor considers to be the most appropriate for the system, training content shall at least assure specific preparation for the different personnel roles that shall use the system.

### 8.25.6 System Engineer Training

<b>Subject</b>	:	<p>General information on computer hardware and software.</p> <p>The structure of computer systems, peripheral hardware items, interface hardware items (computers, workstations, printers, etc.) and their connections with each other.</p> <p>General information about data communications, LAN, wide area networks (Wide Area Network - WAN), general information about the data communication protocol, communication network structures and data communication protocols used.</p> <p>General information related with the SCADA software, introduction to the basic functions of the SCADA software (data collection and data interpretation from PLCs, alarm test and notification, archiving the collected data, etc.), use of the software, configuration of the SCADA software, changes and additions to be</p>
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