

## DMS-1 DIGITAL MULTIPLEX SYSTEM

### SYSTEM INSTALLATION – GENERAL

#### 1. GENERAL

1.01 This section details the sequence of activities for installing, testing, and preparing a DMS-1 system for service.

1.02 Performance of the activities in the sequence listed is not mandatory. Activities which do not depend on the prior completion of others may be done concurrently, or in a sequence other than the one listed in this section; for example, the mechanical installation of the equipment bays, and cabling between the equipment bays and the cross-connect and distribution frames. However, by following the sequence listed in this section, the necessary conditions are fulfilled for those activities which depend on the prior completion of others. For example, Remote Concentrator Terminal (RCT) operation cannot be verified until installation and loopback testing of the Control Concentrator Terminal (CCT) and DS1 line(s) have been completed.

#### 2. INSTALLATION ACTIVITIES

ACTIVITY	PROCEDURE	REFERENCE
1. INSTALL CCT	(a) CCT bay frame installation and cabling	363-2011-201
	(b) CCT circuit pack installation	363-2011-205
	(c) CCT initial operating tests (loopback)	363-2011-210
2. INSTALL DS1 LINE(S)	(a) DS1 line installation	368-2101-200 (for LD-1 line);  <i>or</i> applicable manuals for lines other than LD-1
	(b) DS1 line operating tests	363-2011-212

ACTIVITY	PROCEDURE	REFERENCE
3. INSTALL RCT	<p><b>CABINET-MOUNTED RCT:</b></p> <ul style="list-style-type: none"> <li>● RCT cabinet installation and cabling</li> </ul> <p style="text-align: center;"><i>or</i></p> <p><b>HUT- or OFFICE-MOUNTED RCT:</b></p> <ul style="list-style-type: none"> <li>● RCT bay frame installation and cabling</li> <li>● Power bay installation and cabling (if applicable)</li> <li>● Power bay battery installation (if applicable)</li> <li>● Power bay adjustment (if applicable)</li> </ul>	<p>640-2131-200</p> <p>363-2011-201</p> <p>363-2011-201</p> <p>363-2011-207</p> <p>363-2011-214</p>
4. INSTALL ORDER-WIRE AND FAULT-LOCATE SYSTEM	<p>(a) Install order-wire and fault-locate equipment in CCT bay (if not already done during activity 1).</p> <p>(b) Install order-wire and fault-locate equipment in RCT bays</p> <p>(c) Install order-wire and fault-locate equipment and apparatus not mounted on DMS-1 bays.</p> <p>(d) Do initial operating tests on the order-wire and fault-locate system.</p>	<p>363-2011-205</p> <p>363-2011-206</p> <p>368-2101-200 (for LD-1 lines)</p> <p style="text-align: center;"><i>or</i></p> <p>applicable manuals for lines other than LD-1</p> <p>363-2011-212</p>
5. INSTALL RCT CIRCUIT PACKS	<p>RCT circuit pack installation</p> <p>RCT initial operating tests (loopback)</p>	<p>363-2011-206</p> <p>363-2011-211</p>
6. SYSTEM OPERATING TESTS	<p>End-to-end tests of channels and lines, and optional common facilities.</p>	<p>363-2011-213</p>