

**ADDENDUM 1**  
**to**  
**DIGITAL CLOCK DISTRIBUTOR**  
**500 SERIES**  
**OPERATIONS**  
**RELEASE 5.01.xx**

**1. GENERAL**

**1.001** This is an addendum to Issue 2 of Telecom Solutions' Digital Clock Distributor 500 Series Operations Release 5.01.xx (part number 097-44018-02) which is part of the TL1 User's Guide (997-44018-15). Place this addendum in front of Issue 2 of Operations, Release 5.01.xx.

**1.002** Whenever this addendum is reissued, the reason for reissue will be given in this paragraph.

**2. CHANGES**

**2.001** The changes listed below were made. Changed areas are marked by change bars (the change bar on page 38 is not due to this addendum).

- On pages 36 and 37, a caution was added to the troublecode parameter for the RTRV-EQPT and ED-EQPT commands.

**2.002** To implement the changes in the previous paragraph, do the following:

- Replace pages 35/36 of Issue 2 of 097-44018-02 with the attached pages 35/36.
- Replace pages 37/38 of Issue 2 of 097-44018-02 with the attached pages 37/38.



Chart 10. Card Configuration (Contd)

TASK	PROCEDURE
Change GTI Card Parameters	<p>Access level 3 is required to use this command. Enter:</p> <pre>ED-EQPT: [&lt;tid&gt;]:GTI-a:&lt;ctag&gt;::&lt;framing&gt;,&lt;troublecode&gt;,, &lt;osc1&gt;,&lt;osc2&gt;,&lt;integration&gt;;</pre> <p>a = GTI card slot (1 or 2)</p> <p>framing = framing type:</p> <ul style="list-style-type: none"> <li>CAS = channel assigned signaling</li> <li>CAS4 = channel assigned signaling with frame aligned sequence with cyclic redundancy check 4</li> <li>CRC4 = frame alignment sequence framing with cyclic redundancy check 4</li> <li>D4 = D4 framing format</li> <li>ESF = ESF framing format</li> <li>FAS = frame alignment sequence framing</li> </ul> <p>troublecode = output signals when card has major alarm:</p> <ul style="list-style-type: none"> <li>ALW = AIS is sent on all outputs</li> <li>INH = all outputs are squelched</li> </ul> <p>osc1 = clock type on oscillator 1 (OSC A) input:</p> <ul style="list-style-type: none"> <li>RB = rubidium</li> <li>QTZ = quartz</li> </ul> <p>osc2 = clock type on oscillator 2 (OSC B) input:</p> <ul style="list-style-type: none"> <li>RB = rubidium</li> <li>QTZ = quartz</li> </ul> <p>integration = integration time until an alarm is declared:</p> <ul style="list-style-type: none"> <li>1 = see Table D</li> <li>2 = see Table D</li> <li>3 = see Table D</li> <li>4 = see Table D</li> </ul> <p>Response:</p> <pre>&lt;source identifier&gt; &lt;date&gt; &lt;time&gt; M &lt;ctag&gt; COMPLD</pre>

Chart 10. Card Configuration (Contd)

TASK	PROCEDURE
Display Timing Output Card Parameters	<p>Access level 2 is required to use this command. Enter:</p> <p style="text-align: center;">RTRV-EQPT:[ &lt;tid&gt;]:TO-a:&lt;ctag&gt;</p> <p style="margin-left: 40px;">a                      = TO card slot (1-8)</p> <p>Response:</p> <p style="margin-left: 40px;">&lt;source identifier&gt; &lt;date&gt; &lt;time&gt;</p> <p>M &lt;ctag&gt; COMPLD        "TO-a:&lt;framing&gt;,&lt;troublecode&gt;,&lt;portseverity&gt;" ...</p> <p style="margin-left: 40px;">framing                = framing type:</p> <ul style="list-style-type: none"> <li>CAS            = channel assigned signaling</li> <li>CAS4         = channel assigned signaling with frame aligned sequence with cyclic redundancy check 4</li> <li>CRC4         = frame alignment sequence framing with cyclic redundancy check 4</li> <li>D4            = D4 framing format</li> <li>ESF           = ESF framing format</li> <li>FAS           = frame alignment sequence framing</li> </ul> <p style="margin-left: 40px;">troublecode         = output signals when card fails:</p> <ul style="list-style-type: none"> <li>ALW          = AIS is sent on all outputs</li> <li>INH          = all outputs are squelched</li> </ul> <p style="margin-left: 120px;"><b>Caution: If any port on the card is set for ANALOG, the troublecode must be set to INH.</b></p> <p style="margin-left: 40px;">portseverity        = alarm type caused by port failure:</p> <ul style="list-style-type: none"> <li>MJ           = major</li> <li>MN           = minor</li> </ul>

Chart 10. Card Configuration (Contd)

TASK	PROCEDURE
Change Timing Output Card Parameters	<p>Access level 3 is required to use this command. Enter:</p> <pre>ED-EQPT: [&lt;tid&gt;]:TO-a:&lt;ctag&gt;::&lt;framing&gt;,&lt;troublecode&gt;,&lt;portseverity&gt;,,,,;</pre> <p>a = TO card slot (1-8)</p> <p>framing = framing type:</p> <ul style="list-style-type: none"> <li>CAS = channel assigned signaling</li> <li>CAS4 = channel assigned signaling with frame aligned sequence with cyclic redundancy check 4</li> <li>CRC4 = frame alignment sequence framing with cyclic redundancy check 4</li> <li>D4 = D4 framing format</li> <li>ESF = ESF framing format</li> <li>FAS = frame alignment sequence framing</li> </ul> <p>troublecode = output signals when card fails:</p> <ul style="list-style-type: none"> <li>ALW = AIS is sent on all outputs</li> <li>INH = all outputs are squelched</li> </ul> <p><b>Caution: If any port on the card is set for ANALOG, the troublecode must be set to INH.</b></p> <p>portseverity = alarm type caused by port failure:</p> <ul style="list-style-type: none"> <li>MJ = major</li> <li>MN = minor</li> </ul> <p>Response:</p> <pre>&lt;source identifier&gt; &lt;date&gt; &lt;time&gt; M &lt;ctag&gt; COMPLD</pre>

Chart 11. Reference Input Ports

TASK	PROCEDURE
	<p>This chart provides the steps for controlling reference input ports including: entering ports into the system database, putting ports into service, displaying port parameters, changing port parameters, taking ports out of service, and deleting ports from the system database.</p>
<p>Enter Port</p>	<p>Access level 4 is required to use this command. Enter:</p> <pre> ENT-PORT: [ &lt;tid&gt; ]:MRC-a-b[&amp;&amp;-c]:&lt;ctag&gt;::&lt;framing&gt;,           &lt;priority&gt;,&lt;reference type&gt;,&lt;signal type&gt;; </pre> <p>a = MRC card slot (1-2)  b = MRC card port (1-4 or ALL)  c = ending MRC card port (2-4 with c &gt; b)  framing = type of framing:  CAS = channel assigned signaling  CAS4 = channel assigned signaling with frame aligned sequence with cyclic redundancy check 4  CRC4 = frame alignment sequence framing with cyclic redundancy check 4  D4 = D4 framing format  ESF = ESF framing format  FAS = frame alignment sequence framing  priority = priority of the reference on this port (1-4 with 1 the highest)  reference type = type of reference:  CESIUM = cesium  GPS = global positioning system  LORAN = LORAN  NETWORK = network  signal type = type of signal:  ANALOG = analog  DIGITAL = digital</p> <p><b>Note:</b> If all the reference ports of an MRC card are configured for the same priority, the references will be selected based on the numerical order of the ports. The same numerical order will be listed if the settings are retrieved.</p> <p>Response:</p> <pre> &lt;source identifier&gt; &lt;date&gt; &lt;time&gt; M &lt;ctag&gt; COMPLD </pre>