IEEE 802.17 Maintenance Request 0046

MR number	0046	**Classification**	Technical	**Date received**	3/14/2005	**Reserved for official 802.17 use**

Standard	802.17-2004	**Page**	339	**Subclause**	11.6.5.5	**Figure**		**Table**	

Surname	Sultan		**Given Name**	Robert

Perceived Problem [If more space is needed, please provide an additional file, preferably as plain text.]

DistantStateMax() does not return the correct value of awayState for cases in which a station has an edge, but the edge is not caused by the station on the far-end of the span. Specifically, the code on lines 38-44 describes an action only in the case that tp.spanEdge[ringlet] && tp.spanProtState[ringlet] == IDLE but does not describe an action for other cases of tp.spanEdge[ringlet]. (Reported on behalf of Sanjay Sharma of Fujitsu Network Communications).

Proposed Remedy [If more space is needed, please provide an additional file, preferably as plain text.]

```
// Edge reached. Determine whether or not idle edge.
if (tp.spanEdge[ringlet])
{
   // Idle edge reached. Determine if reported by neighbor
   if (tp.spanProtState[ringlet] == IDLE)
   {
      idleEdge[ringlet] = TRUE;
      if (topoEntry[Other(ringlet)][1].valid &&
        tp.macAddress != topoEntry[Other(ringlet)][1].macAddress)
        idleEdgeNotFromNbr[ringlet] = TRUE;
   }
   else
   {
      // Edge reached is not idle.  Report away state.
      awayState = tp.spanProtState[ringlet];
   }
   break;
}
```

Rationale For Remedy [If more space is needed, please provide an additional file, preferably as plain text.]

Simple fix returns expected awayState.

Remedy's Effect On Existing Equipment [If more space is needed, provide an additional file, preferably as plain text.]

Corrects problem in existing equipment.