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The LAP Manager

Operating system interface utilities

**The LAP Manager** is a set of operating-system utilities that provide a standard interface between the AppleTalk protocols and the various link access protocols, such as LocalTalk (LLAP), EtherTalk (ELAP), and TokenTalk (TLAP). Because **The LAP Manager** is running even at those times when **The .MPP Driver** is not open, **The LAP Manager** also maintains the AppleTalk Transition Queue. In addition, **The LAP Manager** contains protocol handlers for certain types of 802.2 packets.

This section describes the AppleTalk Transition Queue, tells you how to add or remove an AppleTalk Transition Queue entry, and describes how to attach or detach your own 802.2 protocol handler. In addition to **The LAP Manager** features described here, you can use **The LAP Manager** to interface new data links to AppleTalk. For more information about **The LAP Manager**, see the *Macintosh AppleTalk Connections Programmer's Guide*.

<b>The AppleTalk Transition Queue</b>
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At any given time there might be two or more applications running that use AppleTalk. If one of these applications opens the AppleTalk drivers, the other AppleTalk applications are affected. If the Operating System closes the AppleTalk drivers, all AppleTalk applications are affected. To ensure that your application is not adversely affected by such an event, your application can place an entry in the AppleTalk Transition Queue. **The LAP Manager** sends a message to each entry in the AppleTalk Transition Queue each time the Operating System or any routine

- opens **The .MPP Driver**
- closes **The .MPP Driver**
- indicates that it intends to close **The .MPP Driver**
- cancels its intention to close **The .MPP Driver**
- defines its own AppleTalk event and calls the AppleTalk Transition Queue to inform it that such an event occurred

Each of these events is referred to as an **AppleTalk transition**.

Because **The .MPP Driver** is not necessarily open when the AppleTalk Transition Queue must be called, **LAP Manager** maintains the queue. Each entry in the AppleTalk Transition Queue is defined by the **ATQentry** data type.