

- d. SIGNET will be broken into an area per regional node router. Each OSPF area and backbone have a unique identifier known as the Area ID. The Area ID is a unique 32 bit area identifier that identifies a collection of networks and router interfaces. In order to maintain uniqueness amongst area ids the IP subnet number used for the regional node to headquarters node subnet can be utilized for that specific region's Area ID. Figure 10.1 demonstrates a typical Area structure with the Area ID equivalent to the "region to HQ" subnet link subnet.

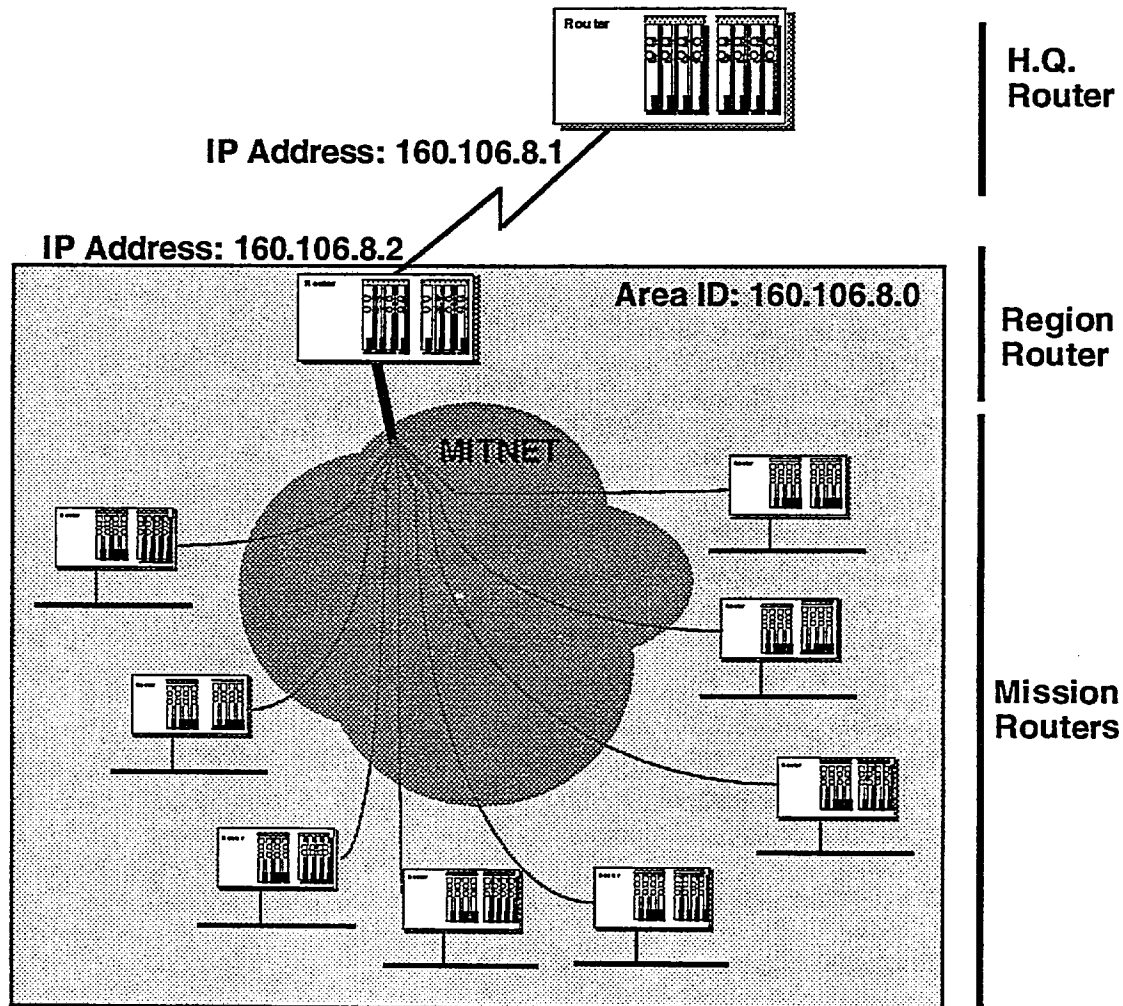


Figure 10.1: Area IDs for SIGNET OSPF Areas