

**Table: OSPFv3 authentication OSPF area commands**

Command	Specifies
<b>VTYSH</b>	Display VTYSH command prompt.
<b>configure terminal</b>	Enter global configuration mode.
<b>router ipv6 ospf</b> <process tag>	Enter IPv6 OSPF configuration mode.
<b>area</b> <areaid> <b>authentication ipsec spi</b> <spi> [ <b>MD5 SHA1</b> ] <string>	<p>Set the following OSPFv3 authentication parameters for the specified OSPF area.</p> <ul style="list-style-type: none"> <li>• <b>SPI</b>—Configures the Security Parameter Index (SPI) for the manual IPsec SA. Possible values: 256 to 4294967295.</li> <li>• <b>Authentication Algorithms and Key</b>—MD5 or SHA1 algorithms are used by the AH protocol for OSPFv3 authentication between the OSPFv3 peers. The string specifies the key for the selected authentication algorithm: <ul style="list-style-type: none"> <li>• An MD5 key specifies a 32-character or 16-byte hexadecimal string.</li> <li>• A SHA1 key specifies a 40-character or 20-byte hexadecimal string.</li> </ul> </li> </ul>