

## Appendix D - IETF RADIUS Attributes Support

Remote Authentication Dial-In User Service (RADIUS) attributes carry specific authentication, authorization, information and configuration details for the request and reply. This appendix lists the RADIUS attributes currently supported by the switch.

RADIUS attributes are supported by the IETF standard and Vendor-Specific Attribute (VSA). VSA allows the vendor to create an additionally owned RADIUS attribute. For more information about D-Link VSA, refer to the **RADIUS Attributes Assignment** Appendix.

IETF standard RADIUS attributes are defined in the RFC 2865 Remote Authentication Dial-In User Service (RADIUS), RFC 2866 RADIUS Accounting, RFC 2868 RADIUS Attributes for Tunnel Protocol Support, and RFC 2869 RADIUS Extensions.

The following table lists the IETF RADIUS attributes supported by the D-Link switch.

### RADIUS Authentication Attributes:

| Number | IETF Attribute     |
|--------|--------------------|
| 1      | User-Name          |
| 2      | User-Password      |
| 3      | CHAP-Password      |
| 4      | NAS-IP-Address     |
| 5      | NAS-Port           |
| 6      | Service-Type       |
| 7      | Framed-Protocol    |
| 8      | Framed-IP-Address  |
| 12     | Framed-MTU         |
| 18     | Reply-Message      |
| 24     | State              |
| 26     | Vendor-Specific    |
| 27     | Session-Timeout    |
| 29     | Termination-Action |
| 30     | Called-Station-ID  |
| 31     | Calling-Station-ID |
| 32     | NAS-Identifier     |
| 60     | CHAP-Challenge     |
| 61     | NAS-Port-Type      |
| 64     | Tunnel-Type        |
| 65     | Tunnel-Medium-Type |
| 77     | Connect-Info       |
| 79     | EAP-Message        |

|    |                         |
|----|-------------------------|
| 80 | Message-Authenticator   |
| 81 | Tunnel-Private-Group-ID |
| 85 | Acct-Interim-Interval   |
| 87 | NAS-Port-ID             |
| 95 | NAS-IPv6-Address        |

**RADIUS Accounting Attributes:**

| <b>Number</b> | <b>IETF Attribute</b> |
|---------------|-----------------------|
| 1             | User-Name             |
| 4             | NAS-IP-Address        |
| 5             | NAS-Port              |
| 6             | Service-Type          |
| 8             | Framed-IP-Address     |
| 31            | Calling-Station-ID    |
| 32            | NAS-Identifier        |
| 40            | Acct-Status-Type      |
| 41            | Acct-Delay-Time       |
| 42            | Acct-Input-Octets     |
| 43            | Acct-Output-Octets    |
| 44            | Acct-Session-ID       |
| 45            | Acct-Authentic        |
| 46            | Acct-Session-Time     |
| 47            | Acct-Input-Packets    |
| 48            | Acct-Output-Packets   |
| 49            | Acct-Terminate-Cause  |
| 52            | Acct-Input-Gigawords  |
| 53            | Acct-Output-Gigawords |
| 61            | NAS-Port-Type         |
| 95            | NAS-IPv6-Address      |