



APPENDIX **B**

Supported VSAs

Revised: March 29, 2012, OL-24167-04

List of Supported VSAs

Table B-1 lists the supported VSAs.

Table B-1 Supported VSAs

| AVP Name | AVP Code | Vendor Id | From Gx | Used in | | | | Value Type | AVP Flag in CCR | | | |
|----------------------------------|----------|-----------|---------|---------|-----|----------------|-----|-------------|-----------------|---|---|-----------|
| | | | | RAR | RAA | CCR | CCA | | V | M | P | May Encr. |
| 3GPP-Charging-Characteristics | 13 | 10415 | x | — | — | O _C | — | UTF8String | x | x | — | — |
| 3GPP-CG-Address | 4 | 10415 | x | — | — | O _C | - | Address | x | x | — | — |
| CG-Address | 846 | 10415 | x | — | — | O _C | - | Address | x | x | — | — |
| 3GPP-Charging-Id | 2 | 10415 | x | — | — | O _C | - | Unsigned32 | x | x | — | — |
| 3GPP-GGSN-Address-Code-7 | 7 | 10415 | x | — | — | O _C | - | Address | x | x | — | — |
| 3GPP-GGSN-MCC-MNC | 9 | 10415 | x | — | — | O _C | - | UTF8String | x | x | — | — |
| 3GPP-GPRS-QoS-Negotiated-Profile | 5 | 10415 | x | — | — | O _C | - | UTF8String | x | x | — | — |
| 3GPP-IMEISV | 20 | 10415 | x | — | — | O _C | - | UTF8String | x | x | — | — |
| 3GPP-IMSI | 1 | 10415 | x | — | — | O _C | - | UTF8String | x | x | — | — |
| 3GPP-MS-TimeZone | 23 | 10415 | x | — | — | O _C | - | OctetString | x | x | — | — |
| 3GPP-NSAPI | 10 | 10415 | x | — | — | O _C | - | UTF8String | x | x | — | — |
| 3GPP-PDP-Type | 3 | 10415 | x | — | — | O _C | - | Unsigned32 | x | x | — | — |
| 3GPP-RAT-Type | 21 | 10415 | x | — | — | O _C | - | OctetString | x | x | — | — |
| 3GPP-Selection-Mode | 12 | 10415 | x | — | — | O _C | - | UTF8String | x | x | — | — |
| 3GPP-SGSN-Address-Code-6 | 6 | 10415 | x | — | — | O _C | - | Address | x | x | — | — |
| 3GPP-SGSN-MCC-MNC | 18 | 10415 | x | — | — | O _C | - | UTF8String | x | x | — | — |
| 3GPP-User-Location-Info | 22 | 10415 | x | — | — | O _C | - | OctetString | x | x | — | — |
| 3GPP-GGSN-Address | 847 | 10415 | x | — | — | O _C | - | Address | x | x | — | — |

Table B-1 Supported VSAs (continued)

| AVP Name | AVP Code | Vendor Id | From Gx | Used in | | | | Value Type | AVP Flag in CCR | | | |
|-----------------------------|----------|-----------|---------|---------|-----|----------------|-----|-------------|-----------------|---|---|-----------|
| | | | | RAR | RAA | CCR | CCA | | V | M | P | May Encr. |
| 3GPP-SGSN-Address | 1228 | 10415 | x | — | — | O _C | — | Address | x | x | — | — |
| 3GPP2-Home-Agent-IP-Address | 7 | 5535 | — | — | — | — | — | Address | — | — | — | — |
| 3GPP2-ESN | 52 | 5535 | — | — | — | — | — | OctetString | — | — | — | — |
| 3GPP2-MEID | 116 | 5535 | — | — | — | — | — | OctetString | — | — | — | — |
| 3GPP2-BSID | 10 | 5535 | — | — | — | — | — | OctetString | — | — | — | — |
| 3GPP2-IP-Technology | 22 | 5535 | — | — | — | — | — | UInt32 | — | — | — | — |
| 3GPP2-PCF-IP-Address | 9 | 5535 | — | — | — | — | — | Address | — | — | — | — |
| Acct-Multi-Session-ID | 50 | — | x | — | — | O _C | — | UTF8String | — | x | — | — |
| Acct-Session-ID | 44 | — | x | — | — | O _C | — | UTF8String | — | x | — | — |
| Acct-Session-Time | 46 | — | x | — | — | O _C | — | Unsigned32 | — | x | — | — |
| Called-Station-ID | 30 | — | x | — | — | O _C | — | OctetString | — | x | — | — |
| Calling-Station-ID | 31 | — | x | — | — | O _C | — | — | — | x | — | — |
| Class | 25 | — | x | — | — | O _C | — | OctetString | — | x | — | — |
| CUI | 89 | — | x | — | — | O _C | — | UTF8String | — | x | — | — |
| Framed IP Address | 8 | — | x | — | — | O _C | — | Address | — | x | — | — |
| NAS-Identifier | 32 | — | x | — | — | O _C | — | OctetString | — | x | — | — |
| NAS-IP-Address | 4 | — | x | — | — | O _C | — | Address | — | x | — | — |
| NAS-Port-Type | 61 | — | x | — | — | O _C | — | Unsigned32 | — | x | — | — |
| Sub-OS-Info-Map | 9 | 1071 | — | — | — | — | — | UTF8String | — | — | — | — |
| User-Name | 1 | — | x | — | — | O _C | — | OctetString | — | x | — | — |
| WiMax-Active-Time | 39 | 24757 | — | — | — | O _C | — | Unsigned32 | x | x | — | — |
| WiMax-BSID | 46 | 24757 | — | — | — | O _C | — | UTF8String | x | x | — | — |