Mapping Debug/Event Levels from VPN 3000 Series Concentrators to the ASA

The VPN 3000 Series Concentrator has 13 logging severity levels, while the ASA uses the numbers from 1 through 11, then 254 and 255 to represent different levels of debugging. In both systems, lower numbers indicate greater severity; for example, selecting a severity level of 3 in either system displays only event messages of the three greatest severity levels. Table B-1 shows the mapping between the VPN 3000 Concentrator severity levels and the ASA severity levels.

Table B-1 Debug Level Map

VPN 3000 Debug Level	ASA Debug Level
1, 2, 3	1
4	2
5	3
6	4
7	5
8	6
9	7
10	8
11	9
12	10
13	11, 254, 255

The ASA debug levels 254 and 255 have special meanings.

- 254 specifies IKE packet decode. This displays a Sniffer-like decoding of fields and values for each IKE packet.
- 255 specifies an IKE packet dump, which displays the octets within the packets.

Selecting higher-numbered levels results in the display of greater amounts of data, because the capture includes logging messages for that level and for all lower-numbered (that is, more severe) levels.

If you select level 254 or 255, the debug trace queue might overflow. To avoid this overflow, use the **capture** command, specifying a name for the area in memory that will hold the information and the name of the interface on which to apply packet capture, as follows:

```
hostname(config)# capture name type isakmp interface interface-name
```

This command stores the data to an area in memory, which you can then display or write to a file, then post-process to extract the information. See the description of the **capture** command for more information on its use.