

# Iridium Technical Advisory

## Direct Internet & PPP Service

May 10 2005



### Revised Access Capability for Internet Protocols Accessed via Direct Internet & PPP

**Summary:** Due to an increasing trend of virus, spam, trojan and other suspicious connection attempts via Direct Internet, Iridium will limit access to the Internet to certain defined network service protocols and ports effective June 1<sup>st</sup> 2005.

**Background:** Due to an increasing trend of suspicious connection attempts originating from computers connecting to the Internet via Iridium's Direct Internet and PPP Dial-up Data Services, Iridium is taking action to limit access to the Internet to certain defined network service protocols and ports. Iridium has determined that only the following commonly used protocols and ports that will be accessible via Direct Internet. All other ports will be blocked.

Protocol Name	Port Number	Simple Functional Description
HTTP	80	Used for web browsing
HTTPS (or SSL)	443	Used for encrypted web browsing
FTP	21	File Transfer Protocol – Used for transferring data files to/from FTP servers
SMTP	25	Simple Mail Transfer Protocol - Used for Email
POP	110	Post Office Protocol - Used for Email
Telnet	23	Used to remote login to a remote computer
NTP	123	Network Time Protocol – Used to synchronize or update computer clocks
IMAP3	259	Used for Email
TCP	50	Used for Email
PPTP		Point to Point Tunneling Protocol – Used for encrypted point to point links across the Internet. Also know generically as a VPN or Virtual Private Network
Terminal Service		Used by various operating systems for administrative purposes
UDP	32000	User Datagram Protocol – A communications protocol used by some computers to exchange information.
DNS	53	Domain Name Service - Provides the ability to convert useful names, e.g. <a href="http://www.cnn.com">www.cnn.com</a> into their actual numeric IP address

Iridium is committed to supporting the use of its data services for legitimate purposes that benefit its subscribers. This list covers the standard ports and protocols needed for access to the World Wide Web, FTP sites, E-mail services, VPN and Terminal Services, DNS, as well as Telnet and Time Synchronization protocols. Restrictions on non-standard TCP/IP ports are necessary to ensure that Iridium networks are not being unknowingly used for propagating computer viruses and other malicious activity. Iridium reserves the right to modify the list at will. Access numbers affected by this are 8816000021, 8816000022, and 8816000023.

**Iridium will update it's infrastructure to restrict Internet data traffic to this list on June 1<sup>st</sup> 2005.**