



# Iridium Satellite Dial-up and Direct Internet



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# Overview of all data services

- Circuit Switched Data
  - Dial-Up Data or PPP/Dial Up Networking (DUN) connection
    - Dial-up connectivity to an ISP or other computer
    - Data rate of 2.4 Kbps (max.)
  - Direct Internet Data
    - Provides direct Internet connectivity to Windows-based PCs
    - Data Compression
  - Mobile Terminated Data (PSTN→ISU and ISU→ISU)
  - Router Unrestricted Digital Information Connectivity Solution (RUDICS)
    - Connectivity to a central host application via Internet or leased line
- Packet Based Data
  - Short Burst Data (SBD)
    - Packet data for remote, unattended monitoring and control

## Dial-Up Data Overview

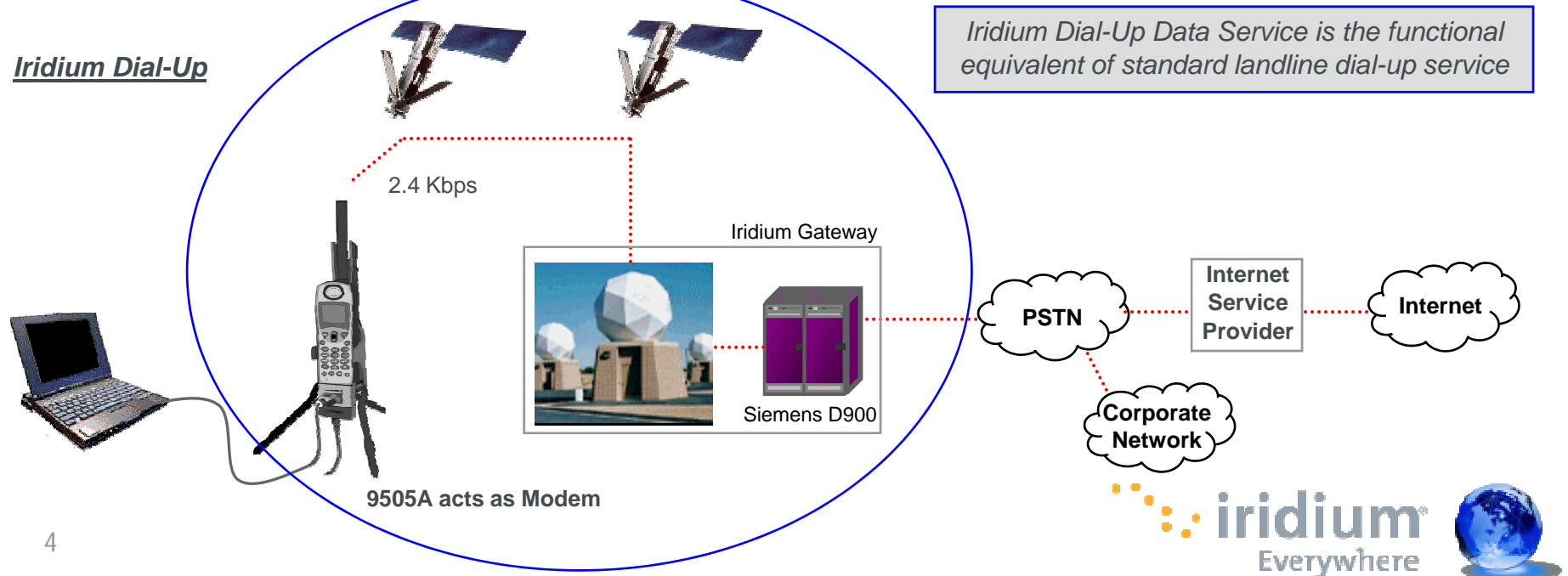
- Provides connectivity to another computer, an Internet Service Provider or a corporate network/LAN
  - Similar to standard Dial-Up Networking (DUN)
- Capable of 2.4 Kbps data rate (max.)
- To use Dial-Up Data Service, you need a compatible PC or laptop with a serial port, a data cable, an Iridium phone and an Iridium SIM card. If using a 9555 you will use a USB cable to connect to the PC with a functional/available USB port
- Dialed telephone number must conform to the international dialing pattern used by Iridium

# Landline Dial-Up vs. Iridium Dial-Up

## Landline Dial-Up



## Iridium Dial-Up



## Direct Internet 2.0 Overview

- Provides direct Internet access via dedicated servers at the Iridium gateway (no ISP required, Iridium is the ISP via 8816000025)
- Increases the throughput of email, web and FTP applications over the Iridium network
- Utilizes transparent compression, resulting in effective throughput data rates higher than the 2.4 Kbps service that Iridium's dial-up data service operates at (actual throughput will depend on the content being transferred and the protocol used)
- To use the Direct Internet 2.0 Data Service you need a compatible PC or laptop, a data cable, an Iridium phone and an Iridium SIM card. If using a 9555 you will use a USB cable to connect to the PC. In order to get the compression benefits you must also install the Direct Internet 2.0 Software on your computer.

# Requirements to use Iridium Data Services

- Circuit Switched Data Capable Iridium Subscriber Unit
  - Includes: 9500, 9505, 9505A, 9555 and VAM products which incorporate 9522 and 9522A/9522B (not 9601)
- Iridium Data Kit (for 9500, 9505 or 9505A)
  - Includes: Data Adaptor, 9-Pin serial cable, Direct Internet 2.0 CD-ROM and stand
  - This is not required for the 9555
    - The 9555 requires a USB cable and the USB driver which comes with the phone on a CD-ROM



# Dial Up Connecting Options

- Direct Internet 2.0 CD-ROM is included in the Data Kit
- Also available by free download from [www.iridium.com](http://www.iridium.com)
- Direct Internet 2.0 compression client is not compatible with Mac OSX (Apple), Linux (Unix) or MS Windows Vista
- Manually create a PPP/DUN connection with the tools already available on all supported MS Windows based PC or laptop
- No need to rely on any additional software
- Easy setup and configuration of modem and DUN connection
- No compatibility issues or conflicts with any MS Windows OS
- Complete walkthrough documents available here:  
[www.iridium.com/support/data/userguides.php](http://www.iridium.com/support/data/userguides.php)

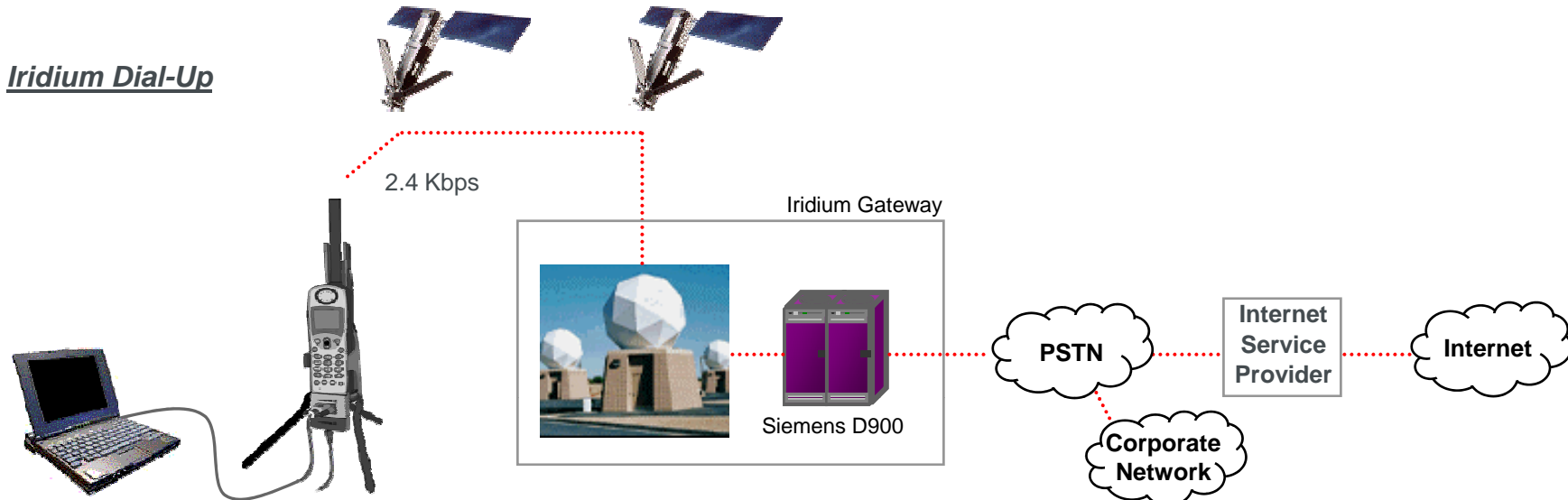
# PC Requirements

- Iridium Data Services are supported on any MS Windows based PC or laptop running Windows 95, 98se, ME, NT 4.0 w/sp4, 2000 w/sp4, XP w/sp2 or newer and Vista w/sp1 or newer
- Serial/USB port
  - Laptops with a serial port should use a PCMCIA to serial adaptor ([www.socketcom.com](http://www.socketcom.com))
  - Not all USB to serial adaptors are reliable with Iridium Data Services...See Technical Bulletin here: [www.iridium.com/support/data/userguides.php](http://www.iridium.com/support/data/userguides.php)
  - 9555 handset provides a mini USB connector



# Iridium Dial-Up vs. Direct Internet 2.0

## Iridium Dial-Up



## Iridium Direct Internet

