

DRAFT Development Flowchart for Need for Speed/Sam Knows Tool

[[INTAKE PAGE—no results displayed until user hits “submit”]]

You can use this tool to determine the range of download speeds you probably need for adequate performance of the programs and applications that you use regularly on the Internet.

Let’s start by finding out a little bit about how you use the Internet.

Q: How many people are in your household (who share your broadband connection simultaneously)?

A: [[compare to table-invisible]]

Q: If you watch video online, we also need to know how many different devices your household will be using to watch video at the same time. Include Internet connected televisions, computers, DVD players with Internet connections, set-top video boxes (e.g. Apple TV, Roku box), and gaming systems that access the Internet.

A: [[compare to table-invisible]]

Q: If you watch video online, how many of those videos at any given time will be high-definition (HD)?

A: [[compare to table-invisible]]

Now a few questions about what you do when you are online. Check all of the boxes that describe the activities that you and the other members of your household engage in: [[these will be check boxes—multiple selections possible]]

Q: Watching video or using video conferencing

Q: watching standard definition (SD) streaming short videos (Hulu; youtube)

A: [[compare to table-invisible]]

Q: watching streaming feature-length standard definition movies (Hulu; Netflix-SD; feature-length movies on youtube)

A: [[compare to table-invisible]]

Q: watching streaming feature-length HD-quality movies or other video, such as university lectures (Netflix-HD; HBO Go)

A: [[compare to table-invisible]]

Q: making video calls using your broadband connection (Skype; video conferencing; users of VRS (video relay service))

A: [[compare to table-invisible]]

Q: What other activities do you engage in online?

Q: email (gmail; hotmail; aol)

A: *[[compare to table-invisible]]*

Q: browsing the web (looking at web pages with no video; watching short, standard definition (SD) videos that are embedded in a news website; watching short SD clips on youtube)

A: *[[compare to table-invisible]]*

Q: listening to streaming audio (Pandora; Spotify; other online radio)

A: *[[compare to table-invisible]]*

Q: making phone calls using your broadband connection (VoIP)

A: *[[compare to table-invisible]]*

Q: playing computer games using a console that is connected to the Internet (Xbox, Playstation)

A: *[[compare to table-invisible]]*

Q: playing two-way online gaming in HD (EXAMPLES?)

A: *[[compare to table-invisible]]*

Q: using a cloud server (data backup)

A: *[[compare to table-invisible]]*

Q: Uploading or downloading movies or pictures to the web (Picasa, youtube, Flickr)

A: *[[compare to table-invisible]]*

[[SUBMIT button]]

[[RESULTS PAGE]]

Based on what you have told us about what you do online, you will probably need a broadband service that provides *[[range Up and Down]]* Mbps. Additional speed may enhance performance. Note that this is a rough estimate, and your actual needs may vary.

Since 2011 the FCC has been conducting a study that measures the performance of 13 of the largest providers of residential wireline broadband services. This study uses measuring devices deployed in the homes of consumer volunteers to determine how closely the actual performance of these broadband services matches up to the advertised speeds. Now that you know what speed you probably need, you can compare this to the results of the performance test on your provider, if your ISP participated in our testing.

Q: From the drop down menu, choose your service provider: *[[radio buttons-one choice only]]*

A: *AT&T Measuring Broadband America test results (pre-formatted chart)*

A: *Cablevision Measuring Broadband America test results (pre-formatted chart)*

A: *CenturyLink Measuring Broadband America test results (pre-formatted chart)*

A: *Charter Measuring Broadband America test results (pre-formatted chart)*

A: *Comcast Measuring Broadband America test results (pre-formatted chart)*

A: *Cox Measuring Broadband America test results (pre-formatted chart)*

A: *Frontier Measuring Broadband America test results (pre-formatted chart)*

A: *Mediacom Measuring Broadband America test results (pre-formatted chart)*

A: *Insight Measuring Broadband America test results (pre-formatted chart)*

A: *Qwest Measuring Broadband America test results (pre-formatted chart)*

A: *TimeWarner Measuring Broadband America test results (pre-formatted chart)*

A: *Verizon Measuring Broadband America test results (pre-formatted chart)*

A: *Windstream Measuring Broadband America test results (pre-formatted chart)*

These calculations were made based on peak usage—between 7:00pm and 11:00pm local time—which is when consumer usage of broadband services is greatest and also when the greatest performance degradation occurs. If you use the Internet primarily at other times, you will probably find that your performance is even better. If you would like more details, *[[link to Measuring Broadband America landing page]]*.

Q: If you don't see the name of your broadband service provider, or are just curious about what other companies provide wireline broadband service in your area, you can enter your address here to access the database at the National Broadband Map, which is a tool to search, analyze, and map broadband availability across the United States:

A: *[[to National Broadband Map]]*