

Helpful Guidance for New Item 24 Questions

Beginning with Funding Year 2014, the Form 471 contains a few extra questions designed to collect broadband data for the FCC. The questions replace the old Block 2/3 questions.

You must complete Item 24 for each FRN that requests E-rate discounts for either Telecommunications Services or Internet Access for the purpose of providing broadband and other connectivity to schools and/or libraries. Your responses are not a substitute for your Item 21 attachment, but they should be consistent with it.

Below is a primer designed to help you through the new Item 24 questions:

24 Description of Broadband and other Connectivity Services Ordered for Schools and Libraries from this funding request

Complete the information below for this funding request only if requesting Telecommunications Services or Internet Access for the purpose of providing broadband and other types of connectivity to school and/or library facilities.

☐

Check this box if this request is for services or equipment that do not provide broadband or connectivity.

- Check this box if this FRN is NOT for broadband or Internet connectivity and skip the remainder of the questions below. For example, if the FRN is for one of the following services, you can check this box and move on: voice services (including cellular voice ONLY), webhosting, hosted e-mail service, internal connections, and basic maintenance of internal connections.

Note: If the FRN is for Internet Access ONLY where no transport (circuit) is included, you can check the box and skip the remaining questions in Item 24.

Also, if the FRN is for cellular service which contains data plans or cellular mobile broadband service, you should NOT check the box and must complete the data collection table in 24a.

Item 24 a

In this item you will list the number of lines and the average speed for the lines included in the funding request. Choose the type of connection you would like to enter on the first line from the dropdown menu (click on the arrow below "Type of Connection") and fill in the number of lines and the download speed per line in Mbps.

Type Of Connection	Number of lines included in this FRN	Download Speed per line in Mbps
<div><div></div><div>Dial-up T1/DS-1 T3/DS-3 Fiber optic/OC-x Cable DSL Satellite Cellular Wireless Non-Cellular Wireless (e.g.microwave)</div></div>		

- Some types of connections (dial-up, T1/DS-1, and T3/DS-3) have a standard speed which will populate automatically. For these types, provide only the number of lines.

- If you have multiple speeds for the lines within one type of broadband connection, create a separate row for each unique speed that includes the number of lines at that speed.
- Note that the download speed is not the amount of Internet that you're requesting, but rather is the size of the circuit (transport pipe) that the Internet is riding over.

Cheat Sheet for bundled transport/internet:

4G Wireless Data – typically 12 mbps
 3G Wireless Data – typically 1.54 mbps
 Comcast Cable Modem Business Class – Starter (\$69) – 16 mbps
 Comcast Cable Modem Business Class – Deluxe 50 (\$109) – 50 mbps
 Comcast Cable Modem Business Class – Deluxe 75 (\$149) – 75 mbps
 Comcast Cable Modem Business Class – Deluxe 100(\$199) – 100 mbps
 Comcast Cable Modem Business Class – Deluxe 150 (\$249) – 150 mbps
 Verizon Online (DSL) - 15 mbps

Item 24 b

Items 24 b1 and 24 b2 relate to WIFI and wired connectivity to the Internet available to students or library patrons and must be completed even if this FRN is not for Internet access specifically.

b If the Internet service is available to students or patrons in more than just a single location or office, please indicate:

- 1. If the access is provided by wired connections, approximately what percentage of the school classroom or public library rooms included in the Block 4 worksheet for this FRN will have access to wired drops? _____%**
- 2. If the access is provided by Wi-Fi connections, approximately what percentage of the school classroom or public library rooms included in the Block 4 worksheet for this FRN will have access to a Wi-Fi signal? _____%**

- If the FRN is NOT for last mile connections (circuits to school buildings), actual percentages are not required and you should list '0' for each item (the system won't let you leave it blank).
 - If the FRN is for cellular data or mobile broadband service, actual percentages are not required and you should list '0' for each item (the system won't let you leave it blank).
 - The percentages should be calculated independently for each item – the sum of the two items need not equal 100%.
 - If you are filing a consortium application that contains last mile connections (circuits to school buildings), use a calculation that will give the most accurate picture of overall coverage for your members.
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Item 24 c

Only consortia/statewide applications should complete Item 24 c.

24 c For consortia and statewide applications, do the connections in this FRN include the last mile connection to the school or library? ☐ Yes ☐ No

If no above, are these connections only for backbone connections? ☐ Yes ☐ No

- Last mile is defined as the last circuit that connect to the school buildings. A District WAN, for example, would normally provide last mile connections to the individual schools. It likely does not include regional or statewide circuits that just connect to the District or Library's network head-end unless the head-end location is located in a school.