



Broadband Availability Business Rules

The State Broadband Initiative (SBI) team developed a number of broadband availability business rules to streamline the state and federal data review process. The rules are updated periodically to reflect new knowledge, technology advances and best practices. When records fall outside the business rules or reflect an unexpected value (noted below), and the grantee has determined that the value is correct, the grantee provides a description of the issue and resolution in the readme or Changes and Corrections document that accompanies the submission. These rules are one part of the validation and verification undertaken by both the grantees and the federal State Broadband Initiative team.

Technology Type	Maximum Advertised Download Speed		Maximum Advertised Upload Speed	
	Min	Max	Min	Max
Asymmetric xDSL	≥ 768 kbps and < 1.5 Mbps	≥ 100 Mbps and < 1 Gbps	> 200 kbps and < 768 kbps	≥ 50 Mbps and < 100 Mbps
		<i>Unexpected Values</i>		
		≥ 10 Mbps and ≥ 1 Gbps		
Symmetric xDSL	≥ 768 kbps and < 1.5 Mbps	≥ 50 Mbps and < 100 Mbps	> 200 kbps and < 768 kbps	≥ 50 Mbps and < 100 Mbps
Other Copper Wireline	≥ 768 kbps and < 1.5 Mbps	≥ 1 Gbps	> 200 kbps and < 768 kbps	≥ 1 Gbps
Cable Modem DOCSIS 3.0	≥ 50 Mbps and < 100 Mbps	≥ 100 Mbps and < 1 Gbps	>200 kbps and < 768 kbps	≥ 10 Mbps and < 25 Mbps
		<i>Unexpected Values</i>		
		≥ 768 kbps and < 50 Mbps		
Cable Modem – Other	≥ 768 kbps and < 1.5 Mbps	≥ 10 Mbps and < 25 Mbps	>200 kbps and < 768 kbps	≥ 10 Mbps and < 25 Mbps
		<i>Unexpected Values</i>		
		≥ 25 Mbps and < 1 Gbps		
Optical Carrier/Fiber to the End User	≥ 768 kbps and < 1.5 Mbps	≥ 1 Gbps	>200 kbps and < 768 kbps	≥ 1 Gbps
Satellite	≥ 768 kbps and < 1.5 Mbps	≥ 10 Mbps and < 25 Mbps	> 200 kbps and < 768 kbps	≥ 3 Mbps and < 6 Mbps





Terrestrial Fixed Wireless – Unlicensed	≥ 768 kbps and < 1.5 Mbps	≥ 10 Mbps and < 25 Mbps	> 200 kbps and < 768 kbps	≥ 10 Mbps and < 25 Mbps
		<i>Unexpected Values</i>		<i>Unexpected Values</i>
		≥ 10 Mbps and ≥ 1 Gbps		≥ 10 Mbps and ≥ 1 Gbps
Terrestrial Fixed Wireless – Licensed	≥ 768 kbps and < 1.5 Mbps	≥ 10 Mbps and < 25 Mbps	> 200 kbps and < 768 kbps	≥ 10 Mbps and < 25 Mbps
		<i>Unexpected Values</i>		
		≥ 10 Mbps and < 25 Mbps		
Terrestrial Mobile	≥ 768 kbps and < 1.5 Mbps	≥ 10 Mbps and < 25 Mbps	> 200 kbps and < 768 kbps	≥ 6 Mbps and < 10 Mbps
Electrical Power Line	≥ 768 kbps and < 1.5 Mbps	≥ 3 Mbps and < 6 Mbps	> 200 kbps and < 768 kbps	≥ 3 Mbps and < 6 Mbps
All Technologies		Max Adv Upload > Max Adv Download		Max Adv Upload > Max Adv Download
All Technologies except Symmetric DSL		Max Adv Download = Max Adv Upload		Max Adv Download = Max Adv Upload
All Technologies	Significant increases or decreases in technology type or speed by provider		Significant increases or decreases in technology type or speed by provider	
Multi-state providers, all technology types	Speeds/technology types that differ from other states		Speeds/technology types that differ from other states	

