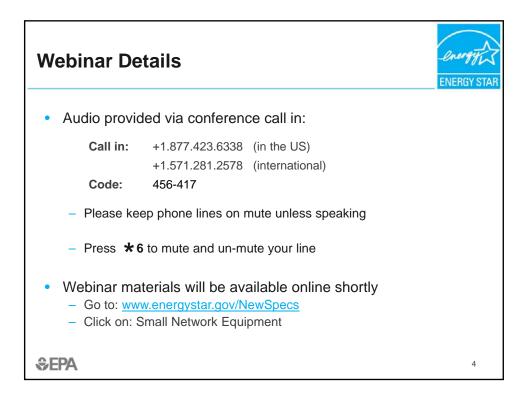
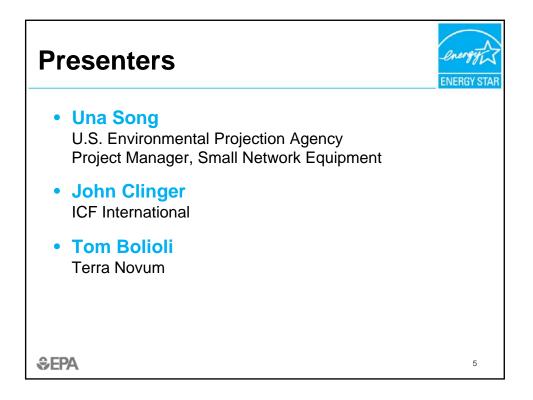
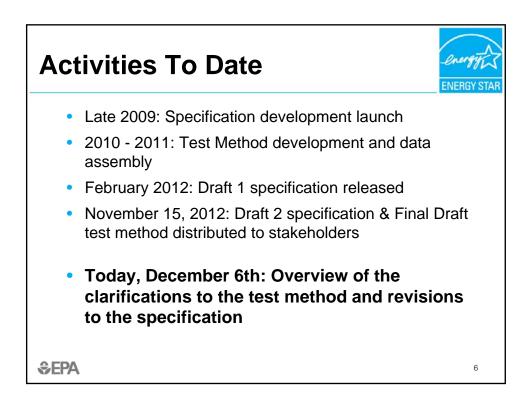
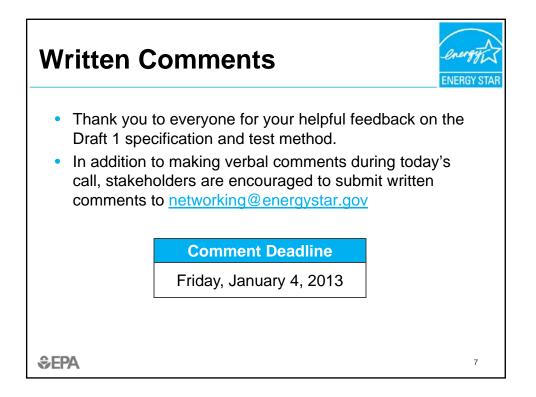


Introductio	on		Energy STAR
	1	Introduction	
	2	Final Draft Test Method	
	3	Draft 2 Specification	
	4	Open Comment & Next Steps	
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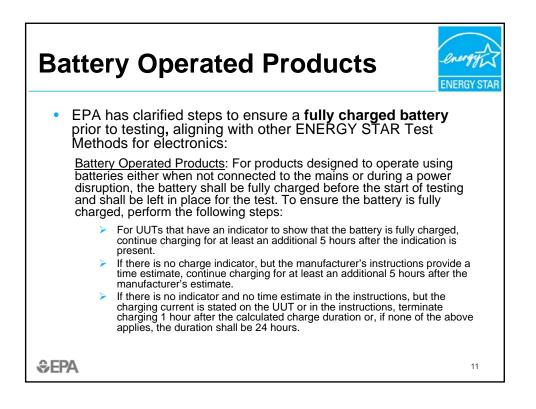


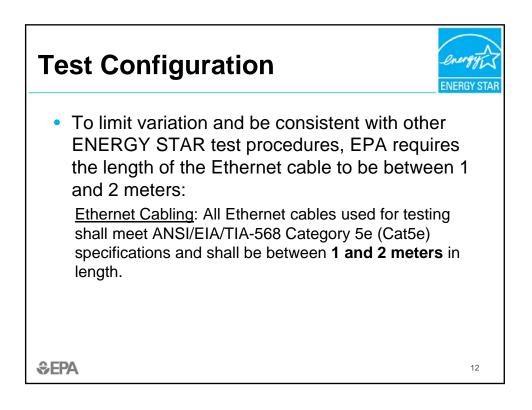


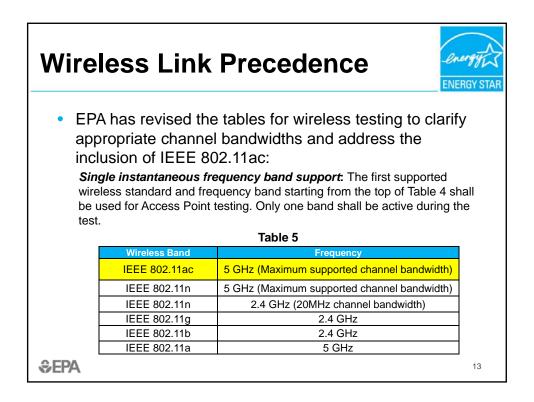


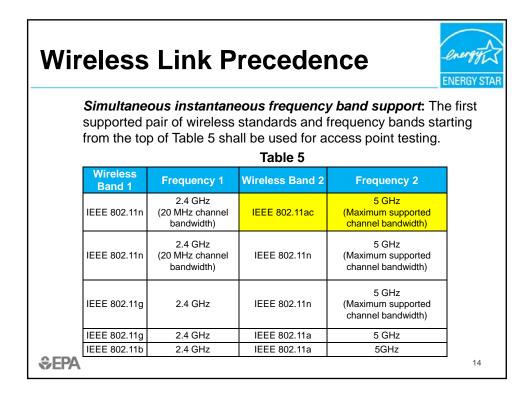
Final Draf	t Test Method	Energy STAR
1	Introduction	
2	Final Draft Test Method	
3	Draft 2 Specification	
4	Open Comment & Next Steps	
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equired Tests					
<ul> <li>EPA has clarified the required test procedures for each product type:</li> </ul>					
			ocedure Sectio		
Product Type	7.2.A) Idle State	7.2.B) Wired Network WAN	7.2.C) Wired Network LAN	7.2.D) Wireless Network LAN	
Modem (DSL, Cable, ONT)	Х	х			
	х	Х	Х	Х	
Integrated Access Device	~				
Integrated Access Device Switch/Router	x		Х	Routers with Wireless	

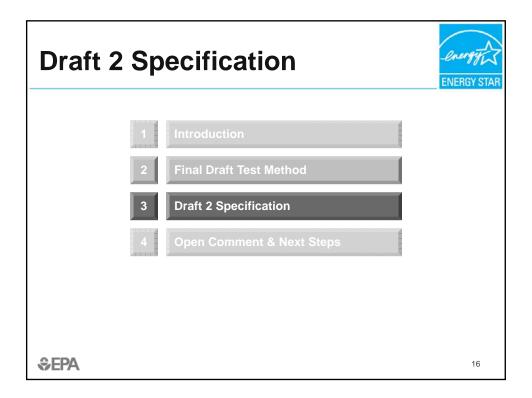


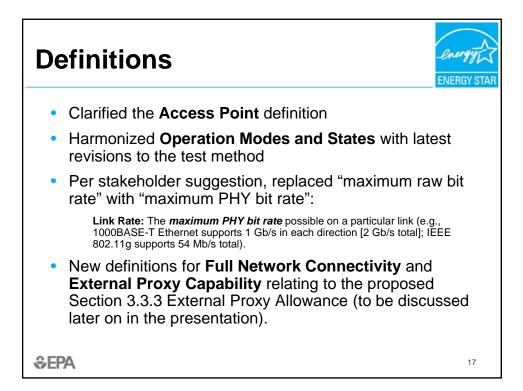


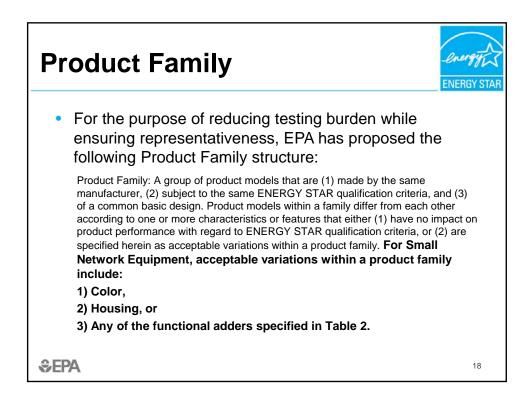


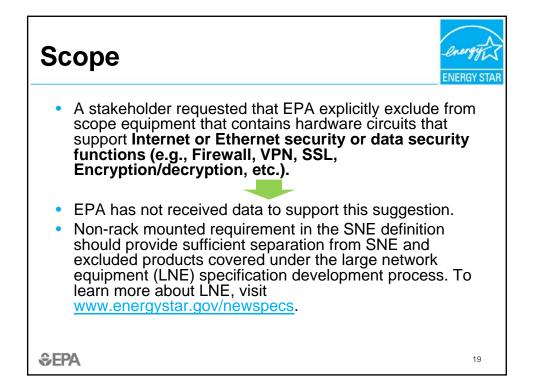


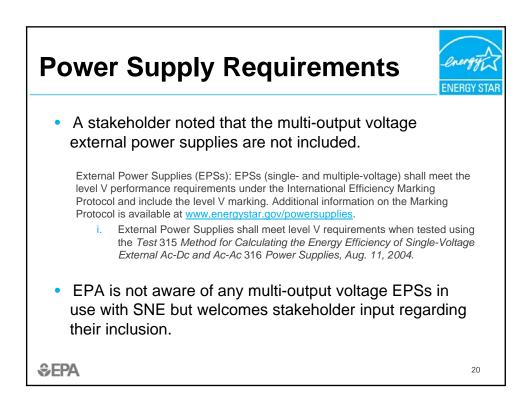
WAN Link Precedence						
bee to te sho brid	• <b>MoCA, HPNA and WiMAX (802.16e)</b> connection types have been removed from Table 6, due to limited data and inability to test them in the current test method. These protocols should be turned off during testing. Products that act solely as bridges between an Ethernet network and one of the removed protocols are now out of scope.					
	Connection Type	Media Type				
	DOCSIS (Cable)	0				
	DOCSIS (Cable)	Coax				
	PON	Fiber				
			-			
	PON	Fiber	-			
	PON DSL	Fiber Copper (Twisted Pair)				

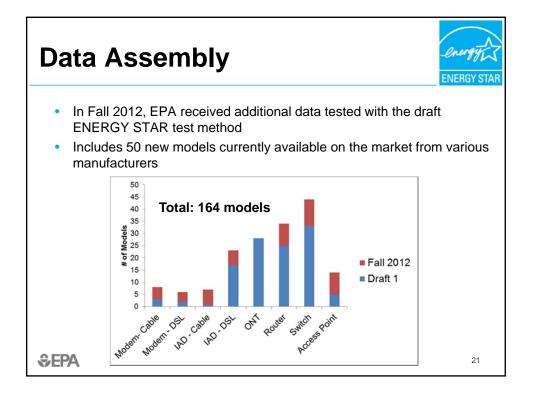


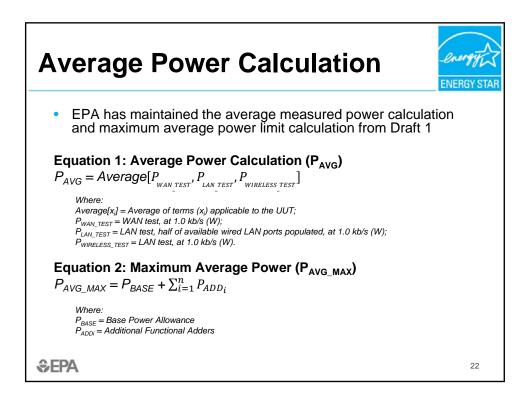


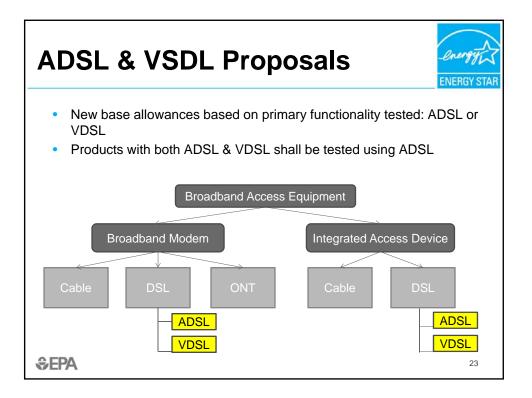






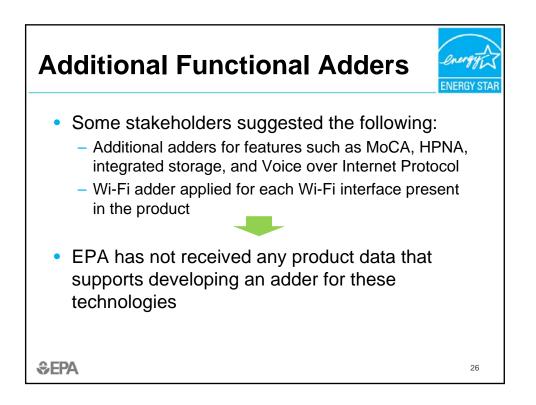


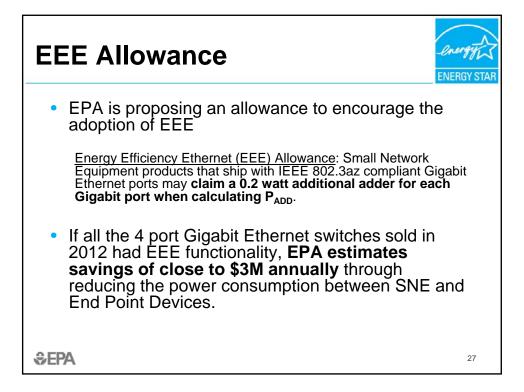


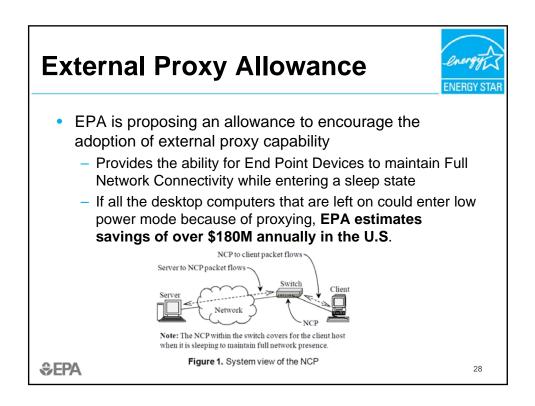


Proposed Base Allowances						
	<ul> <li>With the enhanced dataset, EPA proposes the following new and revised base power allowances:</li> </ul>					
	Product Type	Draft 2 P_BASE (watts)	Draft 1 P_BASE (watts)			
	Broadband Modem – Cable	5.9	TBD			
	Broadband Modem – ADSL	4.0	TBD			
	Broadband Modem - VDSL	6.9	IBD			
	Broadband Modem – ONT	5.5	5.5			
	IAD - Cable	6.0				
	IAD - ADSL	5.5	8.0			
	IAD - VDSL	8.4				
	Router	3.2	4.5			
	Switch	0.6	2.5			
	Access Point	2.0	TBD			
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Addi	Additional Functional Adders					
• EP/	<ul> <li>EPA maintained the Draft 1 proposed functional adders</li> </ul>					
	Feature	Power Allowance (P <sub>ADD</sub> ) in watts	Notes			
	Fast Ethernet (100Base-T)	0.1	Allowance applied once per port present in the UUT.			
	Gigabit Ethernet (1000Base-T)	0.3	Allowance applied once per port present in the UUT.			
	Wi-Fi (802.11a/b/g/n)	0.7	Applied once for the UUT for availability of Wi-Fi connectivity.			
Sepa				25		







## **Proxy Definitions**



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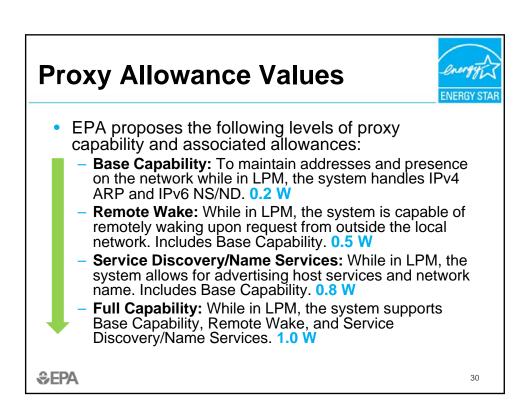
## External Proxy Capability:

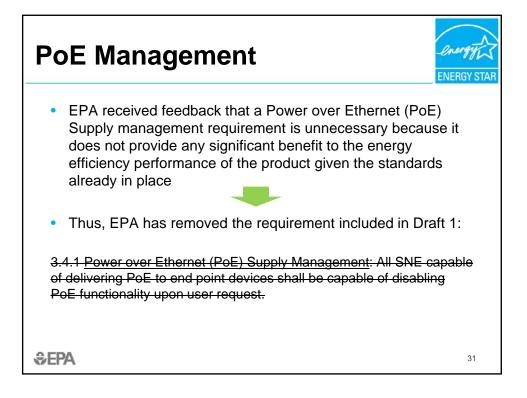
The ability of an SNE device to maintain Full Network Connectivity on behalf of an End Point Device. Must include an implementation of a standard protocol for communicating between the host and the SNE device. Note: A known such protocol is mDNS. Waking the sleeping host is typically accomplished by Wake-On-LAN or a wireless equivalent.

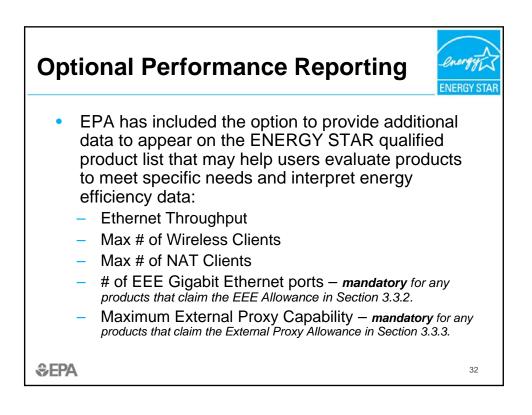
## Full Network Connectivity:

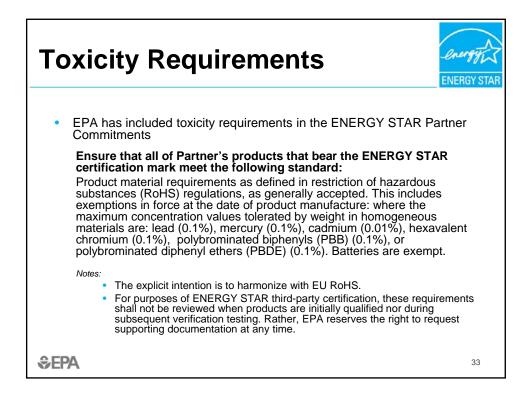
The ability of an End Point Device to maintain network presence while in Sleep Mode or another low power mode (LPM) of equal or lower power consumption and intelligently wake when further processing is required (including occasional processing required to maintain network presence). Presence of the End Point Device, its network services and applications is maintained even though the End Point Device is in a LPM. From the vantage point of the network, an End Point Device with full network connectivity that is in LPM is functionally equivalent to an idle End Point Device with respect to common applications and usage models. Full network connectivity in LPM is not limited to a specific set of protocols but can cover applications installed after initial installation. Also referred to as "network proxy" functionality and as described in the Ecma-393 standard.

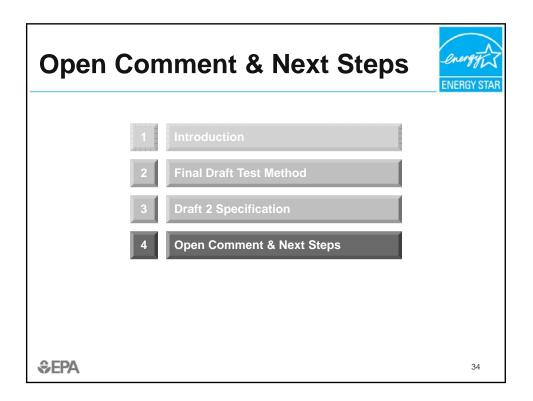
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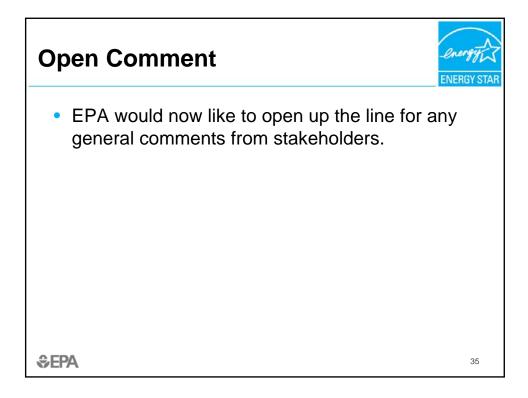












Timelines				
<ul> <li>EPA proposed the following timeline:</li> </ul>				
Draft 2 Comment Deadline	January 4, 2013			
Final Draft Specification Released	Late January 2013			
Final Specification Published	February 2013			
Specification Effective Date	March 2013			
≎EPA		36		





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**€**EPA

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