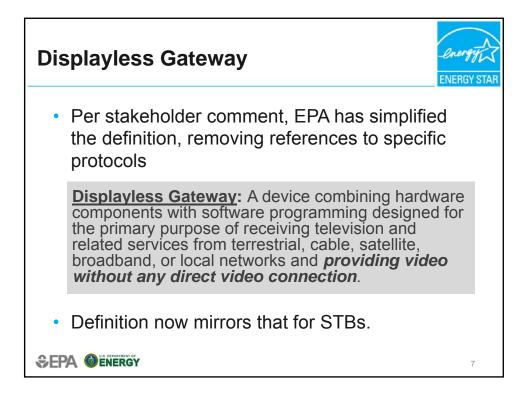
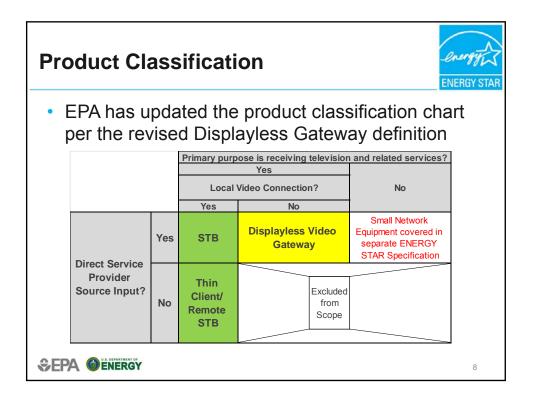
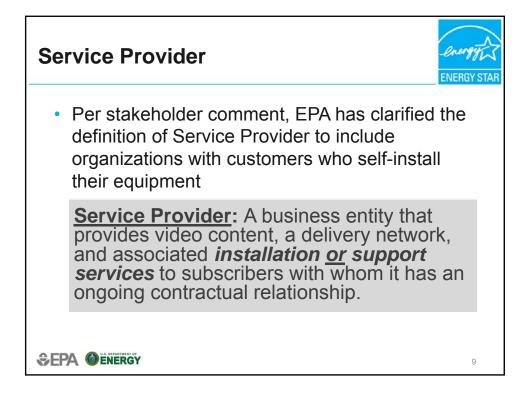


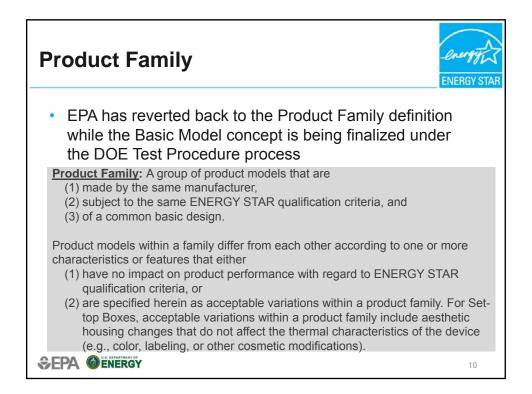


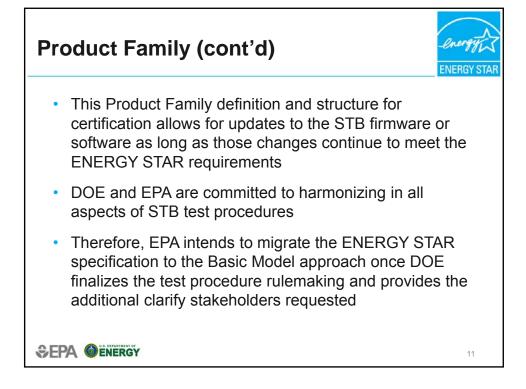
Definitions &	& Scope	energy Star
1	Introduction	
2	Definitions & Scope	
3	AEC Requirements	
4	Deep Sleep & Power Management	
5	Other Testing Clarifications	
6	Partner Commitments	
7	Next Steps & Open Comment	
		6

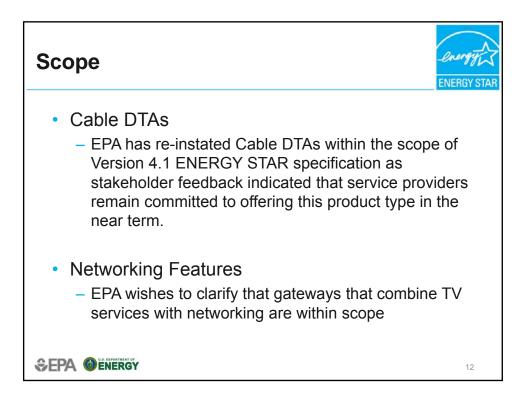


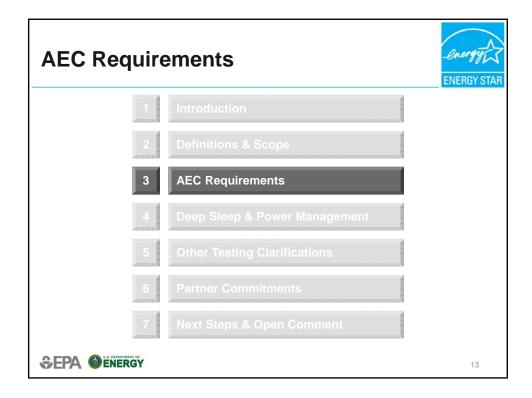


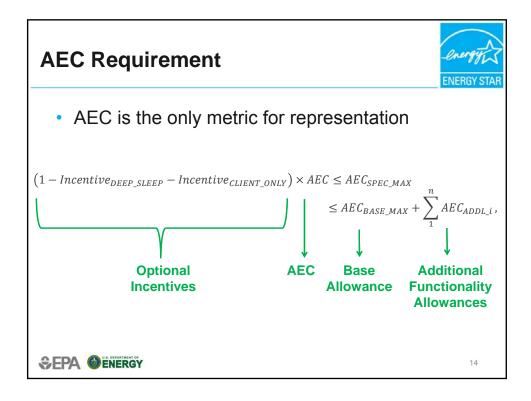






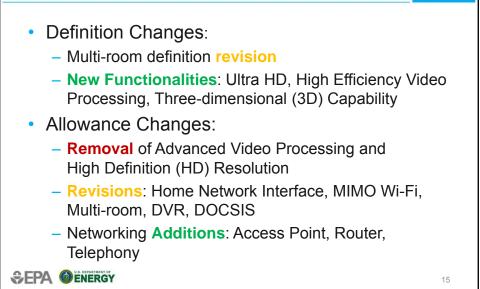


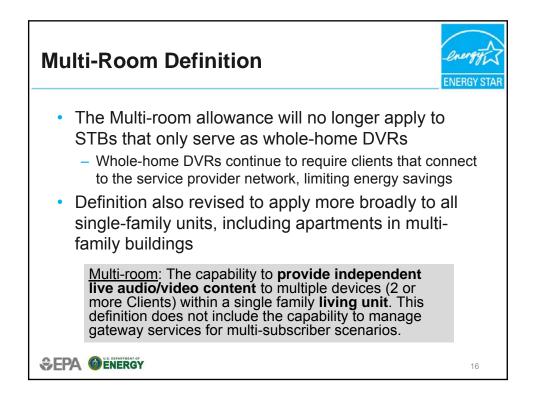


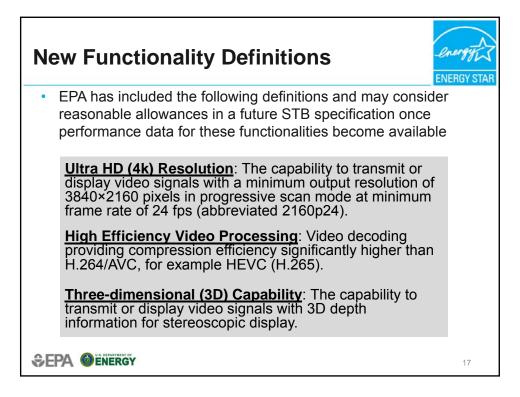


ENERGY STAR

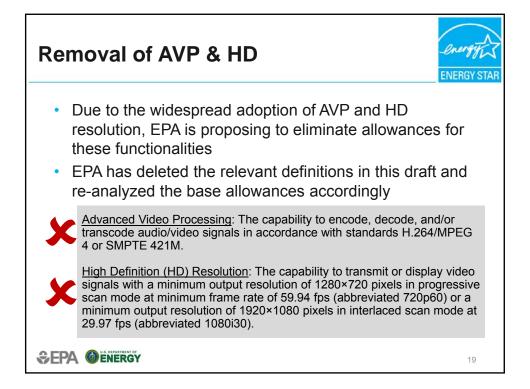
Additional Functionality Allowances Overview



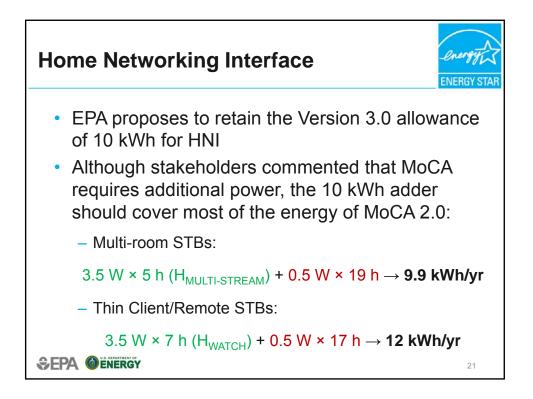


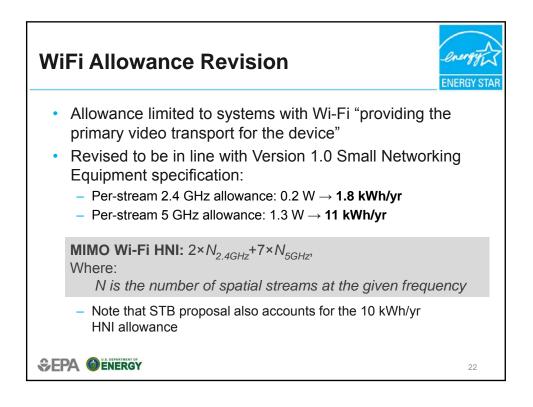


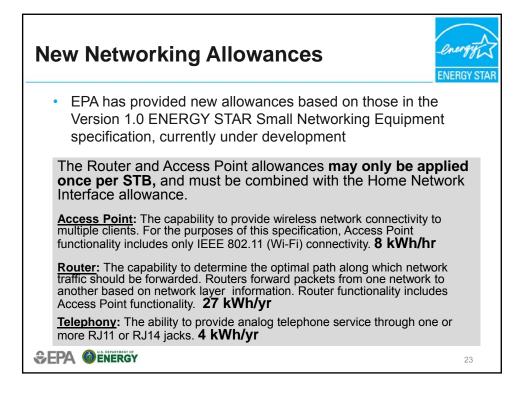
oposed V4.0 Allowances			
Additional Functionality	V3.0 Allowance (kWh/yr)	V4.1 Draft 1 Allowance (kWh/yr)	V4.1 Draft 2 Allowance (kWh/yr)
Advanced Video Processing	12	8	0
CableCARD	15	15	15
Digital Video Recorder (DVR)	45	36	45
DOCSIS [®]	20	15	20
High Definition (HD)	25	16	0
Home Network Interface (HNI)	10	8	10
MIMO Wi-Fi HNI	-	N _{2.4GHz} +N _{5GHz}	2N _{2.4GHz} +7N _{5GHz}
Multi-room	40	40	56
Multi-stream – Cable/Satellite	16	8	16
Multi-stream – Terrestrial/IP	8	6	6
Router	-	-	27
Access Point	-	-	8
Telephony	-	-	4
Removable Media Player	8	0	θ
Removable Media Player / Recorder	10	θ	θ

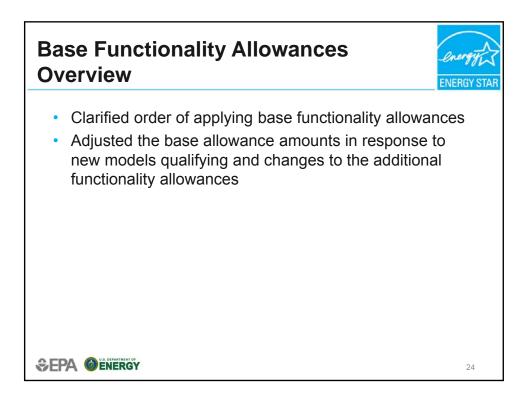


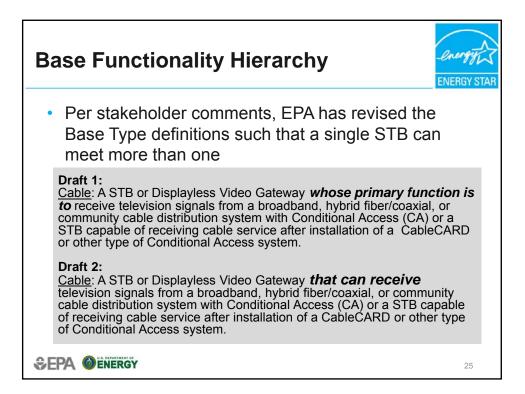
Existing Allowance Revisions				Energy ENERGY S	
 EPA has increased the following allowances to account for highly-featured STBs that deliver whole-home energy savings through Thin Clients 					
		V3.0	V4.1 Draft 1	VAA Droff 2	
	Additional Functionality	Allowance (kWh/yr)		Allowance (kWh/yr)	
	Additional Functionality Digital Video Recorder (DVR)	Allowance	Allowance	Allowance	
	Digital Video Recorder	Allowance (kWh/yr)	Allowance (kWh/yr)	Allowance (kWh/yr)	
	Digital Video Recorder (DVR)	Allowance (kWh/yr) 45	Allowance (kWh/yr) 36	Allowance (kWh/yr) 45	

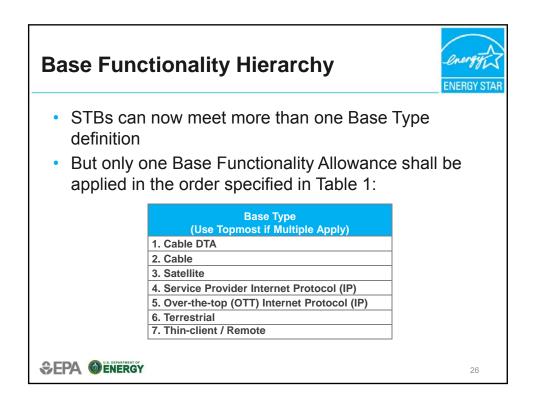


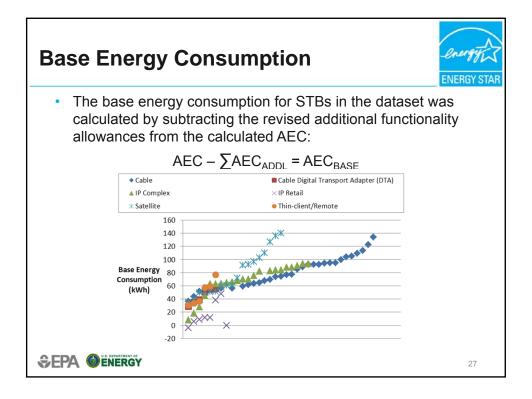


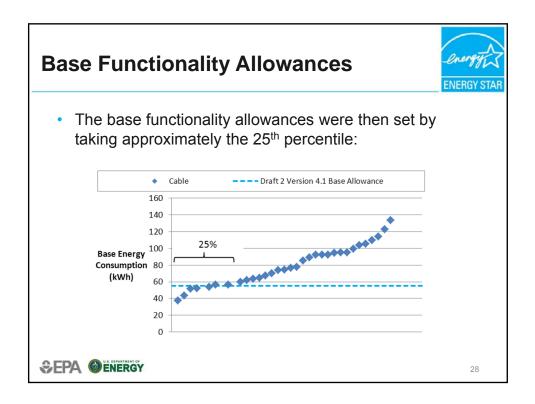


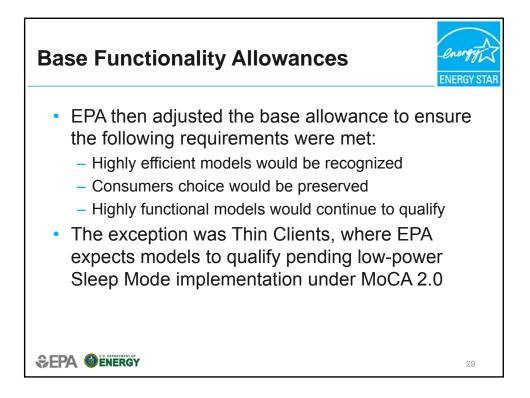




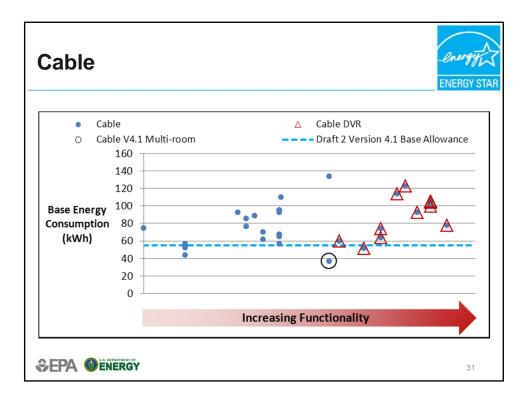


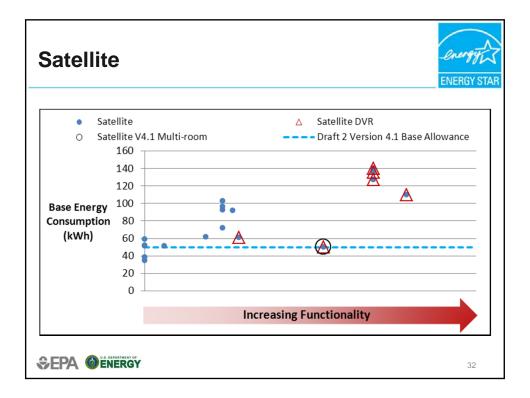


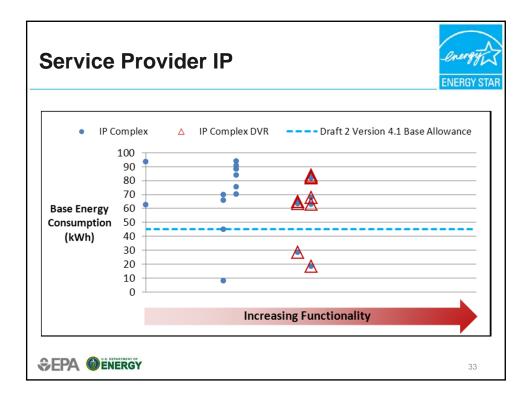


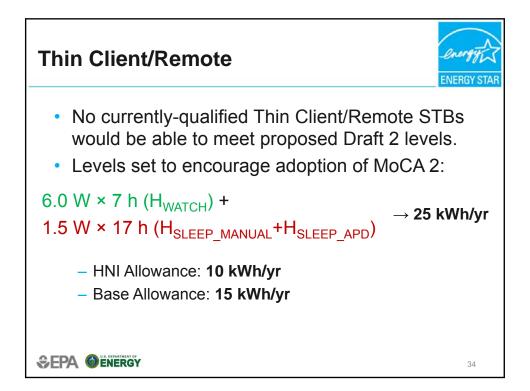


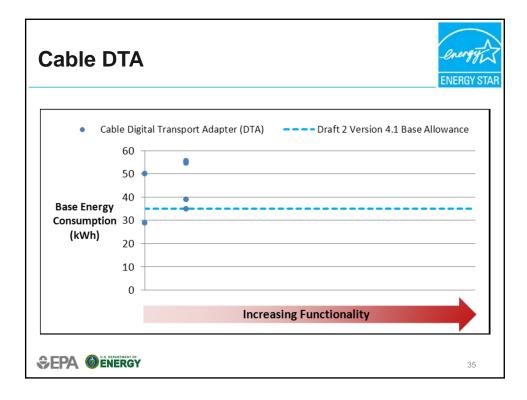
Base Functionalities				
	Base Type	Version 4.1 Draft 1 Allowance (kWh/yr)	Version 4.1 Draft 2 Allowance (kWh/yr)	
1.	Cable DTA	0	35	
2.	Cable	45	55	
3.	Satellite	50	50	
4. Inte	Service Provider ernet Protocol (IP)	45	45	
5. Inte	Over-the-top (OTT) ernet Protocol (IP)	10	10	
6.	Terrestrial	18	18	
7.	Thin-client / Remote	10	15	

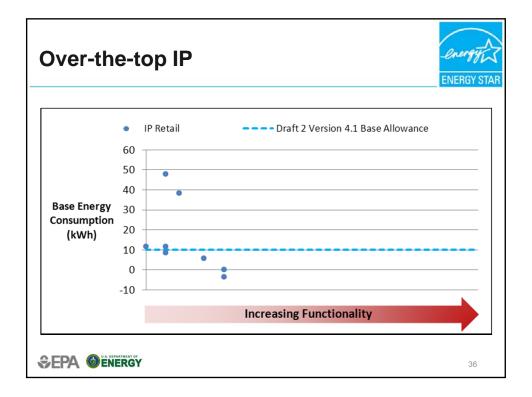




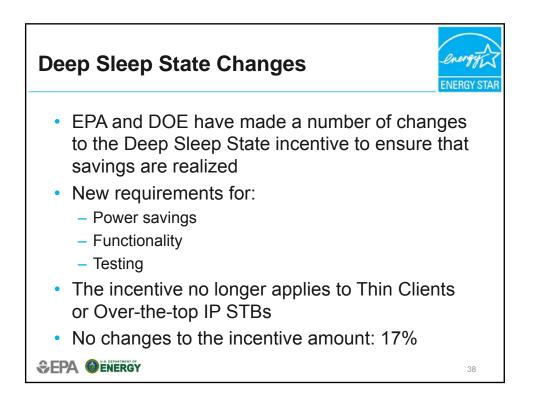


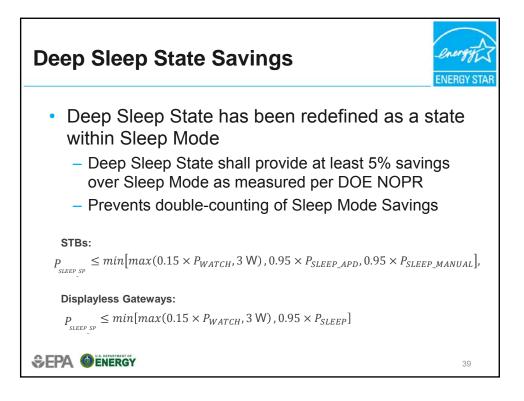


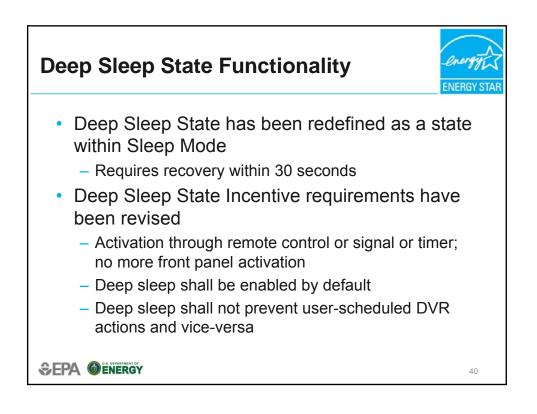


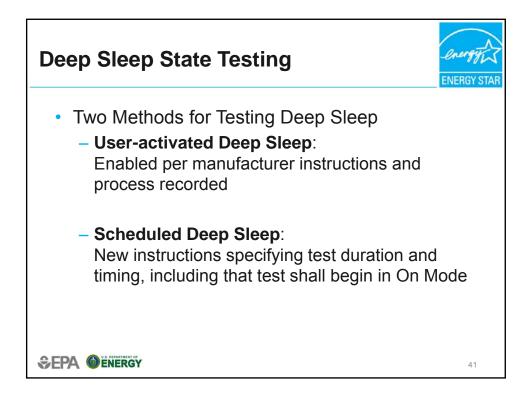


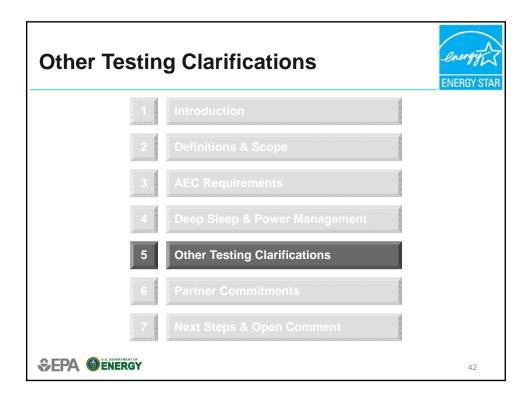
Deep Sleep & Power Management	Energy STAR
1 Introduction	
2 Definitions & Scope	
3 AEC Requirements	
4 Deep Sleep & Power Management	
5 Other Testing Clarifications	
6 Partner Commitments	
7 Next Steps & Open Comment	
	37

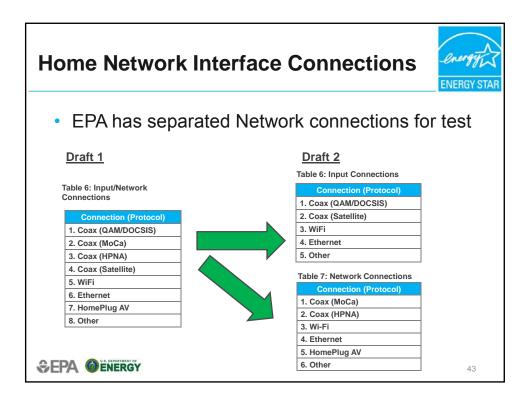


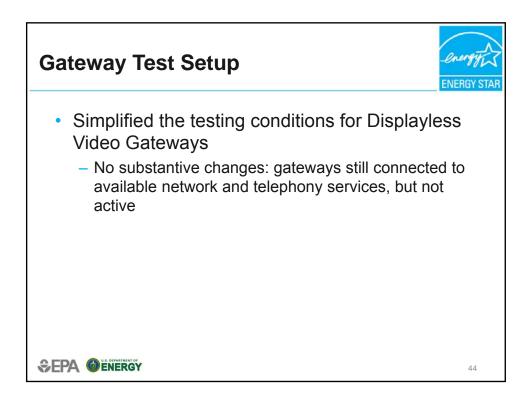


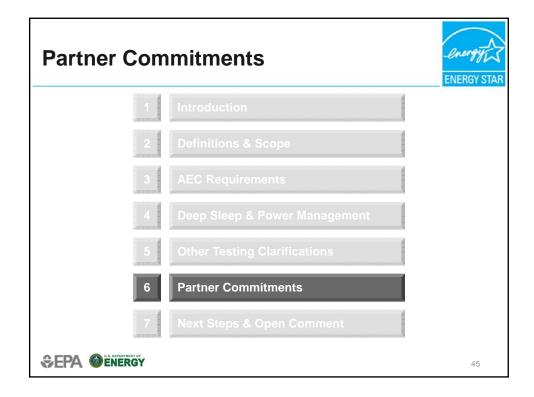
















Next Steps &	& Open Comment	Energy STA
1	Introduction	
2	Definitions & Scope	
3	AEC Requirements	
4	Deep Sleep & Power Management	
5	Other Testing Clarifications	
6	Partner Commitments	
7	Next Steps & Open Comment	
		48



	Anticipated V4.1 Specification Development Timeline			
	Milestone	Anticipated Date		
	Final Draft	July 2013		
	Final Specification	August 2013		
	Effective Date	Spring 2014		
\$€P			50	



