

## National Programs for energy efficient Set-top Boxes and related equipment

Country	Programme	Scope (products)	Summary of Requirements				Program Type	Date
			Max Passive Standby (sleep)	Max Active Standby	Max Active/On	Other		
Australia	Australian Greenhouse Office	Standard definition converter for terrestrial signals	1 W or 2 W	8 W or 7W + FAs to limit of 15W	8 W or 7W + FAs to limit of 15W		Minimum Energy Performance Standards (mandatory)	Targeted for: 01.10.2007
		High definition converter for terrestrial signals	1 W or 2 W	12 W or 11 W + FAs to limit of 19W	12 W or 11 W + FAs to limit of 22W			
Canada	Energy Efficiency Regulations	Simple digital-to-analog converter box for terrestrial signals	1 W		8 W	Regulation not yet defined	Minimum Energy Performance Standards (mandatory)	Pre-publication date December 2008. Effective date TBD
China	China Standard Certification Center (CSC)	Simple STBs (Cable only)	1 W		8 W	Automatic power down (After 4 hours of inactivity)	Endorsement Label	Targeted for end of 2007
	China National Institute of Standardization (CNIS)	To be determined	To be determined				Minimum Energy Performance Standards (mandatory)	Targeted for 2008
EU	European Code of Conduct for Digital TV Services	Complex STBs	3 W	7 W (C) 6 W (T, D) 8 W (S) + FAs to limit of 15W			Voluntary Agreement	Current to 31.12.2007
		Digital TVs with integrated receiver and decoder	1.5W	8 W (C) 7 W (T) 9 W (S) + FAs to limit of 16W				
		Analogue PVR	3 W	6 W				
		Simple STBs (no CA)	2 W		7 W (C, T, D) 10 W (S)			
		Simple STBs (High Definition TV) – SD o/p	2 W		11 W (C, T, D) 14 W (S)			
		Simple STBs (High Definition TV) – HD o/p	2 W		12 W (C, T, D) 15 W (S)			

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<b>GEEA</b>	Group for Energy Efficient Appliances	Same or similar to EU Code of Conduct	Same or similar to EU Code of Conduct				Automatic power down	
<b>Korea</b>	Energy Boy Standby Power Program	TV with integral pay TV set-top box			8 W + FAs to limit of 15W		Endorsement Label	Replaces current requirement from 01.7.2007
		Simple digital-to-analog converter box for terrestrial signals	1 W		8 W + FAs to limit of 15W			
		Pay TV set-top box box	1 W (optional)	8 W + FAs to limit of 15W				
<b>Switzerland</b>	Swiss Federal Office of Energy	Same as EU Code of Conduct	Same as EU Code of Conduct				Endorsement Label	Current from: 01.1.2006
<b>Taiwan</b>	Standby Power Promotion Alliance	Set Top Box	2W				Voluntary Agreement	By 2008
<b>US</b>	Energy Star	Simple digital-to-analog converter box for terrestrial signals (DTA)	1W		8W	Automatic power down	Endorsement label	Current from: 31.1. 2007
		Set top boxes other than DTAs	To be determined				Endorsement label	Proposed effective date: 01.6.2008
	National Telecommunications and Information Administration (NTIA)	Simple digital-to-analog converter box for terrestrial signals (DTA)	2W			Automatic power down	Criteria for national subsidy of US\$40 per STB (max 2 per household)	Current

Key	
FAs	Functional adders
T	Terrestrial
C	Cable
S	Satellite
D	DSL