



International Workshop on Saving Energy in Set-Top Boxes

(The "Paris Protocol on Set-Top Boxes")

27 - 28 May 2004

International Energy Agency, 9 rue de la Fédération
75015 Paris France

Final Agenda

Events Preceding Workshop at the IEA in Paris:

Wednesday, 26 May: 10:30 – 16:30. European Code of Conduct meeting on digital TVs and set-top boxes (organised by the European Commission) also at the IEA Offices in Paris. Please go to the IEA offices first. The actual meeting will take place in Union Internationale des Chemins de Fer (U.I.C) in room 302 (100m away).

19:00 Pre-Workshop Dinner (no-host) at Restaurant Le Suffren, 84, Avenue de Suffren 75015. (10 minute walk from the IEA) Meet the other participants from other countries and discuss the "Paris Protocol on Set-Top Boxes".

Day 1: Thursday, 27 May

Time	Event
9:00	Registration begins
9:30	Workshop begins
9:30	Call to order, Welcome by Chair, – Professor Brenda Boardman (Oxford University)
9:40	Why is the International Energy Agency concerned about set-top boxes? – Alan Meier (IEA)
10:00	Scope of products covered in the Workshop – Bob Harrison (Intertek UK)
10:25	Administrators of voluntary and mandatory efficiency programmes; why are we regulators here? – Tony Marker (Australian Greenhouse Office)
10:30	The European Code of Conduct for Digital Television Services – Paolo Bertoldi (European Commission DG JRC)
10:45	Energy Star specifications for set-top boxes -- Andrew Fanara (U.S. Environmental Protection Agency)
11:00	Coffee break
11:15	United Kingdom's views on energy efficiency of new devices -- Chris Baker (DEFRA, United Kingdom)
11:30	China's plans to label and regulate energy use of set-top boxes – Guoqin Zhang (China Certification Center for Energy Conservation Products)
11:45	Australia's plans to regulate energy use of set-top boxes – Tony Marker (Australia Greenhouse Office)
12:00	California's plans to regulate energy use of set-top boxes – John Wilson (California Energy Commission)
12:15	Additional interventions from representatives of other governments.

12:30	A voluntary efficiency specification from the set-top industry – early outcomes from a US working group – Jason Linnell (Electronic Industries Alliance).
12:40	Discussion: Implications of global interest. Is a global voluntary consensus on energy use possible?
13:00	Lunch (at nearby restaurants)
14:30	Set-top box conversion in Berlin – A glimpse into the future? Stephan Kolb (DENA, Germany)
14:40	Introduction to the remainder of the afternoon’s activities
14:45	Technical overview of the European Code of Conduct – Hans-Paul Siderius (SenterNovem)
15:00	Presentation of the Paris Protocol on Set-Top Boxes – Alan Meier (IEA)
15:20	Initial responses and discussion
15:45	Coffee break
16:00	Viewpoints: energy savings opportunities and obstacles – Professor Brenda Boardman (Oxford University)
16:05	Efficiency opportunities in set-top boxes– Ken Dale (Pace Micro Technology)
16:20	Example of energy-efficient set-top box design – Young-Min Lee (Texas Instruments)
16:35	Flash memory solutions to reduce set-top box energy use and maintain security – Chris Bowen (Spansion/AMD)
16:50	Discussion: Feasibility of implementing efficiency improvements
17:10	The service provider’s perspective in improving set-top box efficiency – David Holliday (BskyB)
17:25	US service provider requirements, an EchoStar perspective– Dave Walton (Eldon Technologies/Echostar)
17:40	Discussion: Are energy savings possible through new operating practices?
17:55	Summary of Day 1
18:00	End of Session
18:00	Reception hosted by IEA
19:00	End of Day 1
19:30	<i>Dinner at Restaurant Ribe, 15 Avenue de Suffren 75007 Paris (6-minute walk from IEA), followed by an evening stroll on the Champ de Mars for those willing to keep talking (or listening). This is a fixed-price dinner (34 euros). Please pay in advance and indicate any special dietary needs.</i>

Saving Energy in Set-Top Boxes

Day 2: Friday, 28 May

9:30	Day 2 begins
9:30	Chair's summary of yesterday's discussion and administrative items – Professor Brenda Boardman (Oxford University)
9:40	Energy saving perspectives from TV manufacturers – Keith Jones (Panasonic, Australia)
9:55	Discussion: the TV connection and the future of set-top boxes
10:30	Examples of highly efficient chips for set-top boxes and potential savings through further improvements -- Philippe Notton (Zarlink Semiconductor)
10:45	The various solutions to improve set-top box PSU efficiency – Christophe Warin (ON Semiconductor)
11:00	Coffee break
11:20	Example of a highly efficient power supply designed to meet a set-top box's needs – Ben Sutherland (Power Integrations)
11:35	Interventions from manufacturers of other components and contributors
12:00	Discussion: energy savings in the whole set-top box system
13:00	Lunch (at nearby restaurants)
14:30	The Paris Protocol: identifying areas of consensus and disagreement
	Lessons for Energy Star's specifications – Andrew Fanara (US EPA)
	Interventions by other government representatives
15:30	Adoption of Protocols Establishing Working Groups Future meeting dates
16:20	Closing remarks by IEA – Alan Meier
16:30	Meeting adjourns
17:30	Drinks and dinner at a nearby restaurant for those who wish to continue the discussions

For meeting information and assistance, please contact Jane Rubery +33 1 4057 6716