



Republic of Armenia



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Russian Federation*

Energy Efficiency Standards in Buildings and Appliances: Harmonization and Implementation in UNECE Region

**Joint events of
the United Nations Economic Commission for Europe (UNECE) and
the United Nations Development Programme (UNDP)**

Ani Plaza Hotel, Yerevan, Armenia

14-16 May 2018

Workshop 1: Validation of Results of Mapping of Energy Efficiency Standards in Buildings

Second Meeting of the UNECE Joint Task Force on Energy Efficiency Standards in Buildings

Monday, 14 May 2018 (Day 1)

09:00 – 10:00	Registration
10:00 – 10:15	Opening remarks <ul style="list-style-type: none"> - Mr. Armen Ghularyan, Deputy Chairman of RA Urban Development Committee - Mr. Dmitry Mariyasin, UNDP Deputy Resident Representative - Mr. Oleg Dzioubinski, Energy Efficiency Programme Manager, Sustainable Energy Division, UNECE
10:15 – 13:00 (Coffee break 11:30 – 11:45)	Session 1: Mapping of energy efficiency standards in buildings <i>The session will review and validate the results of the study on the mapping of energy efficiency standards in buildings for the UNECE region.</i> Moderator: Mr. Aleksandar Dukovski , Chair of the Group of EXperts on Energy Efficiency <ul style="list-style-type: none"> - Ms. Irina Davis, Consultant, UNECE project on energy efficiency standards in buildings Moderated discussion with the JTF members to validate the results of the study
13:00 – 14:00	Lunch break
14:00 – 15:00	Session 1: Mapping of energy efficiency standards in buildings (cont.) Moderated discussion with the JTF members to validate the results of the study
15:00 – 17:00 (Coffee break 16:00 – 16:15)	Session 2: Countries' experiences in implementation of energy efficiency standards in buildings <i>Round table discussion</i> <i>The session will analyze and discuss the main challenges and lessons learned in development and implementation of energy efficiency standards in buildings in UNECE member States</i> Moderator: Ms. Doris Andoni , Albania Questions to panelists and workshop participants <ul style="list-style-type: none"> - What are the challenges in developing and implementing energy efficiency standards in buildings in your country? - Will the study on mapping help you in advancing energy efficiency standards in buildings? How will you be able to take advantage of the experience of other countries reflected in the study? - What are the missing links for adoption of more advanced energy efficiency standards in buildings in your country? Panelists: Representatives of UNECE member States: Albania, Armenia, Belarus, Bosnia and Herzegovina, Georgia, Kyrgyzstan, Montenegro, Poland, Serbia, Ukraine, and Uzbekistan.
17:00 – 17:30	Wrap-up and Conclusions of Day 1

Tuesday, 15 May 2018 (Day 2)

<p>10:00 – 11:30 (Coffee break 10:45 – 11:00)</p>	<p>Session 3: International organizations' experience in assisting countries in implementing energy efficiency standards in buildings</p> <p><i>The session will provide an opportunity to discuss the role of international organizations in assisting countries in development and implementation of energy efficiency standards in buildings and improving energy efficiency in buildings.</i></p> <p>Moderator: Mr. Vahram Jalalyan, UNDP-GCF Project Manager</p> <hr/> <p>Ms. Bilyana Chobanova and Ms. Astghine Pasoyan, Energy Charter Secretariat, EU4Energy</p> <p>Mr. Arsen Karapetyan, Expert, UNDP Armenia</p> <p>Ms. Ksenia Petrichenko, Copenhagen Centre on Energy Efficiency, UNEP-DTU Partnership</p> <p>Mr. Jaap Hogeling, Director, EPB Center and Member of ISO/TC 163/WG 4: Joint Working Group (JWG) on Energy performance of buildings using holistic approach</p> <p>Ms. Giorgia Tzar, International Communications, International Passive House Association (iPHA)</p> <hr/> <p>Q&A</p>
<p>11:30 – 12:30</p>	<p>Session 4: Next steps in the work of the Joint Task Force</p> <p><i>The session participants will discuss how the work of the Joint Task Force can help their countries. The proposed activities and timeframe for their implementation will be discussed.</i></p> <p>Moderator: Mr. Aleksandar Dukovski, Chair of the Group of Experts on Energy Efficiency</p> <p>Moderated discussion with the JTF members</p>
<p>12:30 – 13:00</p>	<p>Wrap-up and Conclusions of the Workshop</p> <p><i>Preliminary outcomes of the workshop, next steps in finalization of the mapping study, and next steps in the work of the Joint Task Force will be presented.</i></p> <ul style="list-style-type: none"> - Mr. Aleksandar Dukovski, Chair of the Group of Experts on Energy Efficiency - Ms. Domenica Carrero, Economic Affairs Officer, Housing and Land Management Unit, UNECE
<p>13:00 – 14:00</p>	<p>Lunch break</p>

Workshop 2: Development, Harmonization and Implementation of Energy Efficiency Standards and Labeling for Energy Appliances

Tuesday, 15 May 2018 (Day 2)

14:00 – 14:15	Registration
14:15 – 14:30	Scope and objectives of the “Regulatory Framework to Promote Energy Efficiency in Countries of the Eurasian Economic Union” UNDP-RTF/00102117 Regional Project Mr. Suren Gyurjinyan , Task Leader, UNDP Armenia Mr. Anatoly Shevchenko , International Technical Consultant
14:30 – 14:45	EU experience in enhancement of energy efficiency labeling system, Regulation (EU) 2017/1369 Ms. Bilyana Chobanova , Energy Charter Secretariat, EU4Energy
14:45 – 15:15 (Coffee break 15:15 - 15:30)	The technical regulation of the EAEU “On energy efficiency requirements of energy consuming appliances”: Development perspectives Eurasian Economic Commission
15:30 – 16:00	Recommendations on introduction of energy efficiency labeling in the EAEU countries Ms. Yelena Polyakova , UNDP-RTF/00102117 Project Consultant
16:00 – 16:50	Energy labeling conformity assessment: country experience, Macedonia Mr. Aleksandar Dukovski , Chair of the Group of Experts on Energy Efficiency
16:50 – 17:20	Development of national standardization systems and their harmonization in the EAEU countries Mr. Dmitri Toshev , Deputy Head of Technical Regulation and Standardization Department, Federal Agency for Technical Regulation and Metrology (Rosstandart)
17:20 – 17:40	Wrap-up and Conclusions

Workshop 3: Knowledge Sharing on Management and Financing of Energy Efficiency in Multi-apartment Buildings

Wednesday, 16 May 2018 (Day 3)

09:30 – 10:00	Registration
10:00 – 10:15	Opening remarks <ul style="list-style-type: none"> - Mr. Armen Ghularyan, Deputy Chairman of RA Urban Development Committee - Mr. Dmitry Mariyasin, UNDP Deputy Resident Representative - Mr. Oleg Dzioubinski, Energy Efficiency Programme Manager, Sustainable Energy Division, UNECE
10:15 – 10:30	Introduction of objectives of the “De-risking and Scaling-up Investment in Energy Efficient Building Retrofits” UNDP-GCF Project Mr. Vahram Jalalyan , Project Manager
10:30 – 11:30 (Coffee break 11:15 – 11:30)	Session 1: Legal, institutional and technical aspects of management of multi-apartment buildings sector: international and national context <i>The session will provide an opportunity to discuss the key legislation requirements and best practices in management of multi-apartment buildings by international and national experts.</i> Moderator: Mr. Armen Minassian , Adviser to Chairman of the RA Urban Development Committee
	International overview of legislation and practices in management of multi-apartment buildings Ms. Sasha Tsenkova , Professor, Planning & International Development, University of Calgary, Canada (via Skype)
	Towards an integrated approach to sustainable housing in the UNECE region Ms. Domenica Carriero , Economic Affairs Officer, Housing and Land Management Unit, Forests, Land and Housing Division, UNECE
	Regulations of Multi-apartment buildings management sector in the Republic of Armenia Ms. Yevgenia Atayan , Department on management of housing stock and communal infrastructures, RA Urban Development Committee
	Q&A
11:30 – 13:00	Session 2: Lessons learned from energy efficiency projects financing in residential building sector <i>The session will provide an opportunity to discuss promotion of investments in buildings’ energy efficiency: national programs and international support.</i> Moderator: Ms. Milou Beerepoot , UNDP Regional Technical Advisor, Energy and Climate Change Mitigation
	Barriers to investing in energy efficiency and ways to overcome them Mr. Oleg Dzioubinski , Energy Efficiency Programme Manager, Sustainable Energy Division, UNECE

	<p>State support schemes for energy efficiency refurbishment of multi-apartment buildings in Lithuania Mr. Valius Serbenta, Director, Housing Energy Efficiency Agency BETA, Lithuania</p> <p>Main principles for setting up energy efficiency refurbishment support scheme for residential buildings. Experience of Eastern European Countries Mr. Petr Holub, Director, Chance for Buildings, Czech Republic</p> <p>Construction of energy efficient buildings in the Republic of Belarus: current state and perspectives Mr. Leonid Danilevski, Deputy Director, Republic Unitary Enterprise "Institute of Housing NIPTIS named after S.Ataev", Belarus</p> <p>Improvement of EE financing in buildings. Monitoring and verification of savings Mr. Vitaly Bekker, Project Manager, Russian Federation</p> <p>Q&A</p>
13:00 – 14:00	Lunch break
14:00 – 14:45	<p>Session 2: Lessons learned from energy efficiency projects financing in residential building sector (continuation)</p> <p>Market for energy services: organizational and legal models, condition and development on the example of Russia Mr. Alexey Tulikov, Deputy General Director of RAESCO, Russian Federation</p> <p>Project bundling to unlock finance for local energy efficiency implementation Ms. Ksenia Petrichenko, Senior Advisor, Copenhagen Centre on Energy Efficiency, UNEP-DTU Partnership</p> <p>Q&A</p>
14:45 – 16:45 (Coffee break- 15:45-16:00)	<p>Session 3: Role of state support agencies for establishing of sustainable multi-apartment buildings stock <i>The session will provide an opportunity to discuss the ways to design and establish state support agencies for residential multi-apartment buildings.</i> Moderator: Mr. Petr Holub, Director, Chance for Buildings, Czech Republic</p>
	<p>Experience, evolution and statute of state support agencies for providing guarantees, grants and soft loans to multi-apartment buildings in Eastern European/Baltic States Mr. Valius Serbenta, Director, Housing Energy Efficiency Agency BETA, Lithuania</p> <p>Financing in building renovation: ESCO models Macedonia Mr. Aleksandar Dukovski, Senior Energy Expert and Chair of the UNECE Group of Experts on Energy Efficiency, the former Yugoslav Republic of Macedonia</p>

	<p>Implementation of EU and national EE policies in Poland Dr. Roman Babut, Advisor to the Board President</p>
	<p>Energy Efficiency in Buildings projects in Asian countries (TBC) Ms. Milou Beerepoot, UNDP Regional Technical Advisor, Energy and Climate Change Mitigation</p>
	<p>Update of the UNECE Guidelines on Condominium Ownership of Housing for Countries in Transition Mrs. C. Kat Grimsley, Director, MS in Real Estate Development, School of Business, George Mason University, USA (via Skype)</p>
	<p>Q&A</p>
<p>16:45 -17:00</p>	<p>Conclusions and adjourn <i>A summary on possible implications of international comparisons for management and energy efficiency refurbishment of multi-apartment buildings for the Armenian context will be presented.</i></p>