UITP TROLLEYBUS COMMITTEE PROFILE

23rd Trolleybus Committee Meeting
MALATYA
OCTOBER, 2015

Sergey KOROLKOV, PhD
Trolleybus Committee Chairperson,

TBC PROFILE
UITP BUS Division
**Creation of a Trolleybus Committee within the Bus Division**

**Approved**

Resolution adopted by the UTP Executive Board and UTP Policy Board on 22 April and 24 April

**Introduction**

The original intention of the launch of the Trolleybus Working Group (TWG) back in 2004 was to see the viability of trolleybus development and to understand its position within UTP.

The TWG was expanded to the Bus Committee working body which, in order to perform no change in UTP structure and its internal processes at large.

The argument

The number of TWG members stood at 12 members from 2004 and was increased to 14 members in 2011, to include more diverse representation from different regions of the world. Since 2004, the world has changed dramatically and the Trolleybus concept is no longer considered as a viable mode of public transport. However, the need for a group to address this topic was not addressed within the UTP structure, as the number of meetings of the TWG was limited by the resources of the public transport organization.

After 10 years of active involvement of the Trolleybus Working Group, in particular during the last year under the leadership of Sayed Kordofan, it is time to give the group and its members a separate role in UTP’s executive board, and to give the creation of a new Trolleybus Committee within the Bus Division.

The need for a Trolleybus Committee has been demonstrated. It should be noted that the creation of this new committee is a natural progression, and it is time to move forward in terms of a new working body. The Trolleybus Committee will be focused on the development of trolleybus systems and their integration into existing bus systems.

**The decision process**

Based on UTP’s role and the terms of reference of the Bus Division, the following decision was adopted:

- The member of the Bus Division to be consulted is the Trolleybus Committee, which is responsible for submitting a proposal to both the Executive and Policy Board on the creation of a Trolleybus Committee within the Bus Division.
- The Trolleybus Committee, represented by its current chairperson, has prepared the report and submitted it to the Executive and Policy Board for their consideration.

**Next steps**

As soon as the Trolleybus Committee receives the necessary vote, it will proceed to establish the Trolleybus Committee in the framework of the Bus Division, alongside other Committees.

**Resolution**

UTP Executive and Policy Board have approved the creation of a Trolleybus Committee within the UTP Bus Division.

**Signed by**

President: [Name]
Vice-President: [Name]
Policy Board Members: [Name]
TWG evolution into Committee

The original idea to launch UITP Trolleybus activity in a form of TWG back in 2004 was to see the ways trolleybus develops and to understand its position within UITP

TWG was appended to Bus Committee working body partly formally in order to perform no changes in UITP structure and to estimate perspectives in time

Source: COST ACTION (Castellon)
EVOLUTION TARGETS

- Proper perception
- Representativeness
- Recognition
- Importance
- Visibility
- Transparency
- Influence:
  - Chair in Presidents’ Committee
  - Chair in Policy Board
  - Co-operation & equitable sharing
  - Membership increasing
# World Trolleybus Systems and Fleet

<table>
<thead>
<tr>
<th>Region</th>
<th>Number of enterprises (trolleybus cities)</th>
<th>Number of trolleybuses</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS and Baltic States</td>
<td>156</td>
<td>19 103</td>
</tr>
<tr>
<td>Western Europe</td>
<td>42</td>
<td>2003</td>
</tr>
<tr>
<td>East Europe</td>
<td>50</td>
<td>2825</td>
</tr>
<tr>
<td>Asia</td>
<td>35</td>
<td>1836</td>
</tr>
<tr>
<td>Africa</td>
<td>-</td>
<td>2</td>
</tr>
<tr>
<td>North America</td>
<td>8</td>
<td>1312</td>
</tr>
<tr>
<td>South America</td>
<td>9</td>
<td>633</td>
</tr>
<tr>
<td>Australia and Oceania</td>
<td>1</td>
<td>60</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>301</strong></td>
<td><strong>27 814</strong></td>
</tr>
</tbody>
</table>

Source: UITP TROLLEYBUS WORKING GROUP, OCTOBER 2012
36 + 62 members listed today
ARTICLE 5  DIVISIONS - THEIR ASSEMBLIES AND COMMITTEES
TROLLEYBUS COMMITTEE
TOPICS OF INTEREST

TROLLEYBUS
Vehicles basically connected to E-grid
Supplying and charging substations
Feeding infrastructure and cables
Depot and maintenance
SORT for Trolleybus & e-grid bus
Measurement and comparative data
Tender requirements
Rapid transportation
Research projects
Advocacy & Outreach
etc.
ELECTRIC GRID BUSES TECHNOLOGY

TBC PROFILE
UITP BUS Division
Topics of Committees’ co-operation

- Electric traction powertrains
- Storage units
- Depot and maintenance
- SORT
- Measurement and comparative data
- Rapid transportation
- New technologies
- Comfort and noise
- Pollution
- etc.

UITP BUS

UITP TROLLEYBUS
UITP DELIVERABLES

**TYPOLOGY OF UITP SERVICES/DELIVERABLES**

<table>
<thead>
<tr>
<th>Events</th>
<th>Information services</th>
<th>Projects</th>
</tr>
</thead>
<tbody>
<tr>
<td>E1 - General Assembly</td>
<td>C1 - Communications Campaign</td>
<td>P1 - Statistics / Facts &amp; figures</td>
</tr>
<tr>
<td>E2 - Executive and Policy Boards</td>
<td>C2 - PTI Magazine</td>
<td>P2 - Benchmarking activity</td>
</tr>
<tr>
<td>E3 - Divisional Assembly</td>
<td>C3 - UITP Direct Newsletter</td>
<td>P3 - Thematic study</td>
</tr>
<tr>
<td>E4 - Committee/session meeting</td>
<td>C4 - Global position/declaration</td>
<td>P4 - Manual/Guideline</td>
</tr>
<tr>
<td>E5 - World Congress &amp; Exhibition</td>
<td>C5 - Regional position/declaration</td>
<td>P5 - Special initiative</td>
</tr>
<tr>
<td>E6 - Regional Congress &amp; Exhibition</td>
<td>C6 - Core brief/Information sheet</td>
<td>P6 - Third-party funded Project</td>
</tr>
<tr>
<td>E7 - International Conference (&amp;Exhibition)</td>
<td>C7 - Brochures/Publications</td>
<td></td>
</tr>
<tr>
<td>E8 - Regional Conference</td>
<td>C8 - Regional/Thematic Newsletter</td>
<td></td>
</tr>
<tr>
<td>E9 - Workshop/Round table</td>
<td>C9 - List of members</td>
<td></td>
</tr>
<tr>
<td>E10 - Regular/periodic trainings</td>
<td>C10 - Report of activities</td>
<td></td>
</tr>
<tr>
<td>E11 - Study tour</td>
<td>C11 - Web site</td>
<td></td>
</tr>
<tr>
<td>E12 - Webinar</td>
<td>C12 - Mobi+</td>
<td></td>
</tr>
<tr>
<td>E13 - Non-UITP event (Structural alliance)</td>
<td>C13 - myUITP.org</td>
<td></td>
</tr>
<tr>
<td>E14 - Non-UITP event (Punctual involvement)</td>
<td>C14 - Social media</td>
<td></td>
</tr>
<tr>
<td>E15 - International Seminar</td>
<td>C15 - Members hot line</td>
<td></td>
</tr>
<tr>
<td>E16 - Special events for high-level Executives</td>
<td>C16 - Awards</td>
<td></td>
</tr>
<tr>
<td></td>
<td>C17 – Market watch / Business intelligence</td>
<td></td>
</tr>
<tr>
<td></td>
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</tbody>
</table>
ADVOCACY BROCHURES
DELIVERABLES

Development Policy for Public Transport
Trolleybus Subsystems - 2008

International Workshop to Push Forward your Trolleybus System - 2007

How to Build and Operate an Efficient Trolleybus System - Release 2015

Recommendations of Public policies for Electric Buses in Latin America - Release 2015
TBC DELIVERABLES IN PROGRESS

Included in UITP Integrated Global Plan:

- Trolleybus World from A to Z -  
  Release 2015-16

Propositions:
SORT for Trolleybus & e-Grid bus  
- Release 2016  
Trolleybus & e-Grid bus infrastructure: Solutions  
- Release 2017  
- Release 2016  
Regional highlights of creating and functioning of trolleybus systems  
- Release 2017

Underway:
Core Brief on Technical evolution of trolleybus. Panorama of the most promising trends  
- Release 2015-16  
UITP Trolleybus Statistics/Benchmarking  
- Release 2015-16
TBC MEETINGS’ HISTORY

<table>
<thead>
<tr>
<th>Year</th>
<th>Month</th>
<th>Location</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>2004</td>
<td>Jun</td>
<td>TWG establishing, Moscow (Russia)</td>
<td>1&lt;sup&gt;st&lt;/sup&gt;</td>
</tr>
<tr>
<td>2005</td>
<td>Mar</td>
<td>Belgrade (Serbia)</td>
<td>2&lt;sup&gt;nd&lt;/sup&gt;</td>
</tr>
<tr>
<td>2005</td>
<td>Sep</td>
<td>Cagliari (Italy)</td>
<td>3&lt;sup&gt;rd&lt;/sup&gt;</td>
</tr>
<tr>
<td>2006</td>
<td>Apr</td>
<td>Saltzburg (Austria)</td>
<td>4&lt;sup&gt;th&lt;/sup&gt;</td>
</tr>
<tr>
<td>2006</td>
<td>Dec</td>
<td>Solingen (Germany)</td>
<td>5&lt;sup&gt;th&lt;/sup&gt;</td>
</tr>
<tr>
<td>2007</td>
<td>Apr</td>
<td>Brno (Czech Republic)</td>
<td>6&lt;sup&gt;th&lt;/sup&gt;</td>
</tr>
<tr>
<td>2007</td>
<td>Oct</td>
<td>Lyon (France)</td>
<td>7&lt;sup&gt;th&lt;/sup&gt;</td>
</tr>
<tr>
<td>2008</td>
<td>Feb</td>
<td>Vologda (Russia)</td>
<td>8&lt;sup&gt;th&lt;/sup&gt;</td>
</tr>
<tr>
<td>2008</td>
<td>Nov</td>
<td>Zurich (Switzerland)</td>
<td>9&lt;sup&gt;th&lt;/sup&gt;</td>
</tr>
<tr>
<td>2009</td>
<td>Apr</td>
<td>Ploiesti (Romania)</td>
<td>10&lt;sup&gt;th&lt;/sup&gt;</td>
</tr>
<tr>
<td>2009</td>
<td>Sept</td>
<td>Lublin (Poland)</td>
<td>11&lt;sup&gt;th&lt;/sup&gt;</td>
</tr>
<tr>
<td>2010</td>
<td>Jun</td>
<td>Lyon (France)</td>
<td>12&lt;sup&gt;th&lt;/sup&gt;</td>
</tr>
<tr>
<td>2010</td>
<td>Oct</td>
<td>Athens (Greece)</td>
<td>13&lt;sup&gt;th&lt;/sup&gt;</td>
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<tr>
<td>2011</td>
<td>Jun</td>
<td>Sophia (Bulgaria)</td>
<td>14&lt;sup&gt;th&lt;/sup&gt;</td>
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<tr>
<td>2011</td>
<td>Nov</td>
<td>Yaroslavl (Russia)</td>
<td>15&lt;sup&gt;th&lt;/sup&gt;</td>
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<tr>
<td>2012</td>
<td>May</td>
<td>Parma (Italy)</td>
<td>16&lt;sup&gt;th&lt;/sup&gt;</td>
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<tr>
<td>2012</td>
<td>Oct</td>
<td>Leipzig (Germany)</td>
<td>17&lt;sup&gt;th&lt;/sup&gt;</td>
</tr>
<tr>
<td>2013</td>
<td>Apr</td>
<td>Limoges (France)</td>
<td>18&lt;sup&gt;th&lt;/sup&gt;</td>
</tr>
<tr>
<td>2013</td>
<td>Nov</td>
<td>Moscow (Russia)</td>
<td>19&lt;sup&gt;th&lt;/sup&gt;</td>
</tr>
<tr>
<td>2014</td>
<td>June</td>
<td>Bergen (Norway)</td>
<td>20&lt;sup&gt;th&lt;/sup&gt;</td>
</tr>
<tr>
<td>2014</td>
<td>Nov</td>
<td>Sao Paulo (Brazil)</td>
<td>21&lt;sup&gt;st&lt;/sup&gt;</td>
</tr>
<tr>
<td>2015</td>
<td>Apr</td>
<td>Lausanne (Switzerland)</td>
<td>22&lt;sup&gt;nd&lt;/sup&gt;</td>
</tr>
<tr>
<td>2015</td>
<td>Oct</td>
<td>Malatya (Turkey)</td>
<td>23&lt;sup&gt;rd&lt;/sup&gt;</td>
</tr>
<tr>
<td>2016</td>
<td>Jun</td>
<td>Gdynia (Poland)</td>
<td>Welcome</td>
</tr>
</tbody>
</table>
UITP BUS Division
Committee’s activity

Committee meetings
Mutual Bus Division conferences
(instead of Committee meeting)
Working groups meetings
Steering Board &
Coordination meetings
Congress participation
(between Conferences)

twice a year
biannually
once a year
biannually
biannually
How is integrated in WP?
Coordination BC and TBC

**Policy Board**
twice a year

**PresCom**
twice a year
(UITP Presidents’ Committee)

Service Portfolio bottom-up top-down
Service Production calendar time-line
Membership Services Packages (3 levels)
UITP GLOBAL ACTIVITY

Integrated Global Working Plan 2-4 years

World Congress biannually
(between Conferences)
  Sessions
  Awards
  Speeches

INNOTRANS, BusWorld biannually
UITP GLOBAL ACTIVITY

UITP Projects:
   ZeEUS
   Electrification of Buses
   EFFICY
   HORIZON 2020 ...

EU Projects:
   CIVITAS
   Clean Fleet
   TROLLEY
   Electrification PT Bus System ...
   ELIPTIC
STEERING BOARD

Chairman
Sergei KOROLKOV

Vice-Chairman (Advocacy & Media)
Per Gunnar ANDERSSON

Vice-Chairman (Regions)
Eduard POKROVSKY

Vice-Chairman (Authority)
Dave HASKINS

Vice-Chairman (Operator)
Thomas FONTAINE

Vice-Chairman (Industry)
Zdenek VYTOUS

Vice-Chairman (R&D Projects)
Wolfgang BACKHAUS

Head of BUS Division
Arno KERKHOF

Chairpersons (or Vice-Chairperson) of Working Groups

Forging consensus figures for showing evidence and quantitative basis for arguments and advocacy tools
WORKING GROUPS

Advocacy, Outreach and Media

How to operate an efficient trolleybus and e-grid bus systems
Per Gunnar ANDERSSON,
Thomas FONTAINE

How to build an efficient trolleybus and e-grid bus system
Michael PANDION

Modern feeding and supplying infrastructure
Daniel STEINER

Modern Trolleybus and e-grid bus fleet
Zdenek VYTOUS

Technical specifications. Tender and SORT requirements
Adam ZIELINSKY

Latin America
Roberto B. BERKES

Welcome on Board
World trolleybus systems in History

Almost 1000 cities experienced with trolleybuses

OCTOBER 2013
Trolleybus - an integral part of urban public transport systems

‘Whilst exotic solutions always attract attention in the quest for grail of autonomous electric traction, the reality is that trolleybus solution provides the backbone of urban street transport today’
Thank you very much for your kind attention!

Sergey KOROLKOV, PhD
Trolleybus Committee Chairman

Chairman of the Board