



MOTAS



UITP TROLLEYBUS COMMITTEE PROFILE

**23rd Trolleybus Committee
Meeting**

**MALATYA
OCTOBER, 2015**

**Sergey KOROLKOV, PhD
Trolleybus Committee Chairperson,**

UITP

TBC PROFILE

UITP BUS Division



BUS



TROLLEYBUS

TROLLEYBUS COMMITTEE CREATION

2014, April 23-24, Abu Dhabi



Creation of a Trolleybus Committee within the Bus Division Approved

Resolution adopted by the UITP Executive Board and UITP Policy Board – 23 April and 24 April

Introduction

The original idea behind the launch of the Trolleybus Working Group (TWG) back in 2004 was to see the way trolleybus develops and to understand its position within UITP.

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

The argument

The number of TWG members is 36 with an additional 62 UITP members listed as "associated". From Europe and Europe, North and Latin America, its membership is as diverse as UITP with operators, industry and authorities.

Since 2004, the world has changed dramatically. Trolleybus is no longer considered as a dying mode of public transport. Throughout our numerous meetings we got enough evidence that it has a real future. Since 2004, every year 2 meetings were conducted, with the 30th meeting coming soon in Bergen, Norway (June). The continuity and dynamism of this group within UITP is testified by the number of meetings, the 8 projects born from it and promoted by enthusiastic public transport professionals.

After 10 years of active involvement of the Trolleybus Working Group, in particular during the last year under the leadership of Sergey Kordikov, it is time to give this group and its members a separate line in UITP's activities and agenda by the creation of a Trolleybus Committee within the Bus Division.

The Secretariat General has initiated the governance process that should lead to the creation of that new Committee. That Trolleybus Committee will be focused largely on trolleybus development which was and still is the core business of TWG. To be very precise in terms of scope of this new working body, the trolleybus business and of course its impact as far as power supply is concerned.

In terms of growth and business potential there are approximately 300 trolleybus networks in operation worldwide with a total fleet of 28,000 units. Completed with the supply industry: rolling stock, substations, aerial switches, overhead lines, power electronics etc. Against the background of the global trend of E-mobility which is getting to be an issue of its own and becomes a reality worldwide, the role and position of regular trolleybus networks is hereby put in a renewed daylight and entirely justified.

The decision process

Based on UITP Bylaws and the Terms of Reference of the Bus Division, the following decision process has been respected:

- The members of the Bus Division (via a consultation organized mid-March 2014) and those of the Bus Committee decided to submit for approval to both the Executive and Policy Boards the creation of a UITP Trolleybus Committee within the Bus Division.
- The Bus Division Assembly, represented by David Morfin and the Bus Committee, represented by Thierry Wogenknecht have submitted the proposal jointly to the Executive and Policy Boards at their meetings that took place on the 23rd and 24th April 2014 in Abu Dhabi for a final decision.

Next steps

As soon as the Trolleybus Committee is set up, a chairman will be elected according to UITP Bylaws 5.3a) and will submit for approval to the Executive Board a proposal for the Committee Terms of Reference as it is stated in the UITP Bylaws article 5.3.e)

Resolution:

UITP Secretariat gives its full support to establish the Trolleybus Committee in the framework of the Bus Division alongside the Bus Committee.

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

Signed by

President

Vice-Presidents

Policy Board Members



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

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

Source: UITP TROLLEYBUS WORKING GROUP, OCTOBER 2012

TBC Membership

36 + 62 members
listed today

ADDITION	By	Member
BREZZI ALBERTELLI	Romando	SOCIETA PER LA MOBILITA ED IL TRASPORTO PUBBLICO S.p.A.
BUSACOVIC	Dragan	CITY PUBLIC TRANSPORT COMPANY - "GSP" "BEOGRAD"
CARBONE	Daniela	AUSTRA
CASTAGNA	Elio	CTP S.p.A.
COCHON	Stefano	WISA AG
COLOS	Stefano	REGIA AUTONOMA DI TRASPORTO URBAN CALABRO CLU-NAPOCA
FELTHAM	Jean-Bernard	SOCIETE DES TRANSPORTS EN COMMUN DE LYONNES METROPOLE
GRANTCHEV	Dimitry	STOLICHEN ELECTROTRANSPORT PLS
GRAND	Philippe	IRISSUS
GRUNENFELDER	Mathias	AAR BUS + RAIN
HASKINS	Dave	METRO-WEST YORKSHIRE PASSENGER TRANSPORT EXECUTIVE
IVANCHEV	Tomislav	STOLICHEN ELECTROTRANSPORT PLS
JACQ	Daniel	REGIE AUTONOME DES TRANSPORTS PARISIENS
KALEJON	Alexander	TRANS-AZNAVTO
KALIDROMITES	Andrea	AZIENDA TRASPORTI MILANESI
KERANOF	Arno	INTERNATIONAL ASSOCIATION OF PUBLIC TRANSPORT
KICH	Alexander	VERBAND DEUTSCHER VERKEHRSUNTERNEHMEN
KOROLIOV	Sergey	ELECTROSERVICE TECHNICAL CENTER JSC
KUCHA	Pavel	KUCHA ELECTRICAL S.
KUCHERENKO	Konstantin	BENDER TROLLEYBUS COMPANY
LYNOS	Dimitris	ATHENS-PAROUS AREA ELECTRIC BUSES LEPAF
MAKCHINGER	Gunter	SALZBURG AG FOR ENERGY, VERKEHR UND TELEKOMMUNIKATION
MAUZEN	Juri	TALINEN TRAM & TROLLEYBUS COMPANY
MEZZAGGI	Dimitri	TSP S.p.A.
MOORE	Nate	TRANSPORTS PUBLICS DU LITTORAL NEUCHÂTELLOIS
MONZ	Gale	EMPRESA PUBLICA METROPOLITANA DE TRANSPORTE DE PASAJEROS DE QUITO
N.N.		VLAAHE VERVOERMAATSCHAPPI VAN DE LIJN
NEAG	Ursu Gheorghe	REGIA AUTONOMA DI TRASPORTO URBAN CALABRO CLU-NAPOCA
OLSEWISKA	Nagorata	SOLARES BUS & COACH S.A.
PARSON	Michael	STÄDTISCHER VERKEHRSBUS-BEHLIN
PARONCE	Laurent	INDUSTRIAL PUBLIC TRANSPORT COMPANY
PASCAL	Jean-Yves	EXELIS
PICARD	Guy	SOCIETE DE TRANSPORT DE LAVAL
POKROVSKY	Dmitry	MOSSOTRANS
POLON	Marcin	PRZEDSIĘBIORSTWO KOMUNIKACJI TROLBUSOWEJ Sp. z o.o.
PORTER	Lucian	METRO-WEST YORKSHIRE PASSENGER TRANSPORT EXECUTIVE
POVEDA PERINO	Carlos	EMPRESA PUBLICA METROPOLITANA DE TRANSPORTE DE PASAJEROS DE QUITO
SALZER	Karlheinz	VISONER BUS GmbH
SCHNEIDER	Matthias	SALZBURGER AG SALZBURGER LOKALBAHN
SEBA	Stuart	VOSSLOH KIERE GmbH
SCHOPEN	Sergey Alexandrovich	VARGO ELECTROTRANS
SERRA	Edmundo	EMPRESA PUBLICA METROPOLITANA DE TRANSPORTE DE PASAJEROS DE QUITO
SINRA	Dalibor	DORVAJE KONICA NESTA BINA
STERNER	Daniel	KUMMER + MATTER AG
VERHEIL	John	KUMMER + MATTER AG
TYKHONOV	Vasily	
TREMBLAY	Luc	SOCIETE DE TRANSPORT DE MONTREAL
TROILLIER	Conrad	STADTWERKE SOLINGEN
VALENCEK	Jiri	DORVAJE KONICA NESTA BINA
VAN ANHOET	Wim	CONNEKXION HOLDING NV
VONICA	Nicolae	REGIA AUTONOMA DI TRASPORTO RUCURESTI R.A.
VOIGTSTENS	Ilgars	SIA "RIGAS SATIKSMES" RIGA TRAFIC
VITTOUS	Zdenek	CELEGAT S.
ZIELENSKI	Adam	SOLARES BUS & COACH S.A.
SCHAFERLING	Juri	Envision
DRASKE	Juri	ENJO SPA
KLEINOV	Constantin	MOSSOTRANS

TROLLEYBUS WORKING GROUP		
Country	Member	Contact
Belarus	Belarus Transport Company	Director: Oleg
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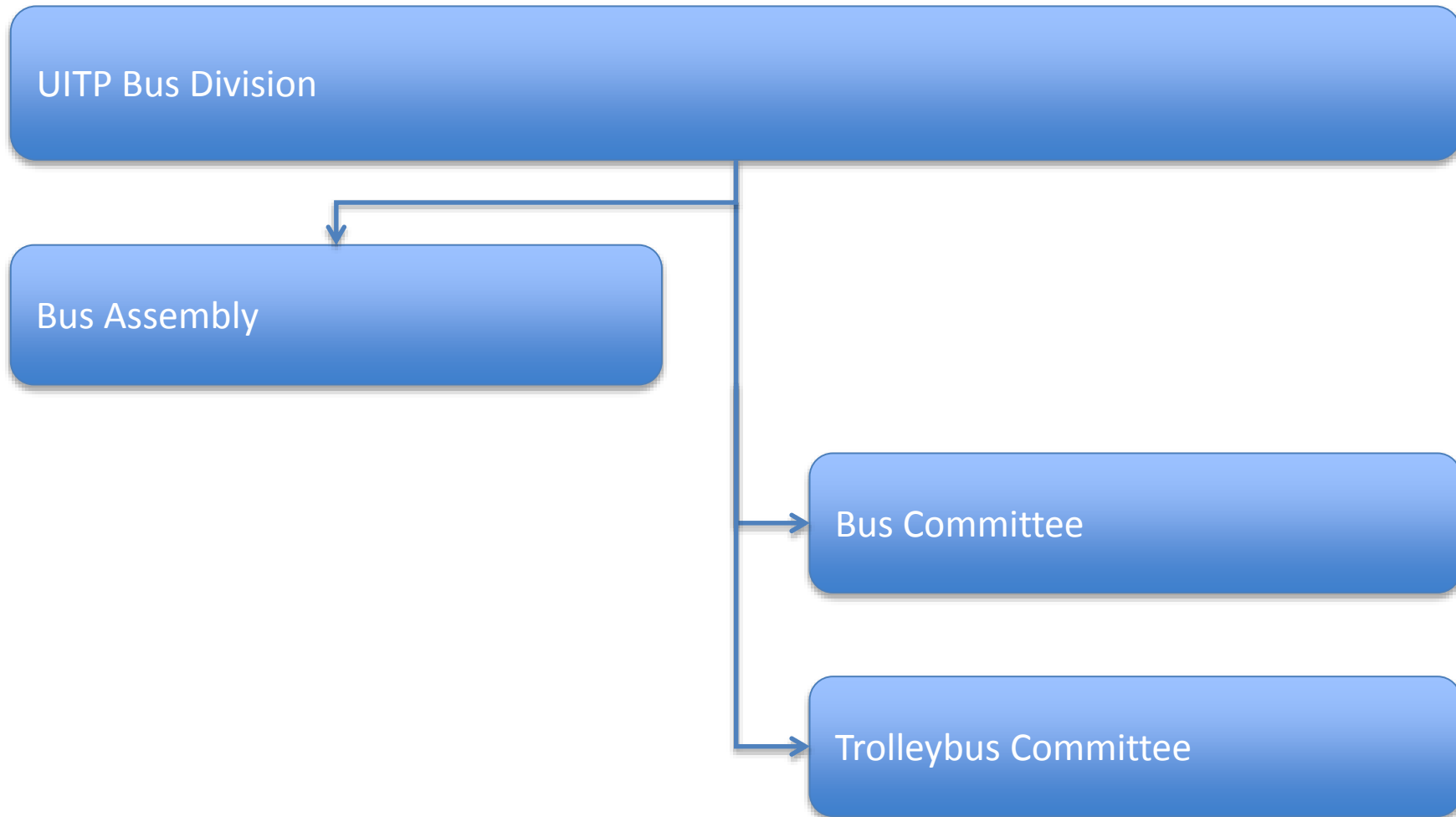


17 FOR TWG (UITP MEMBERS)

2019/01/01



STRUCTURE



ARTICLE 5 DIVISIONS - THEIR ASSEMBLIES AND COMMITTEES



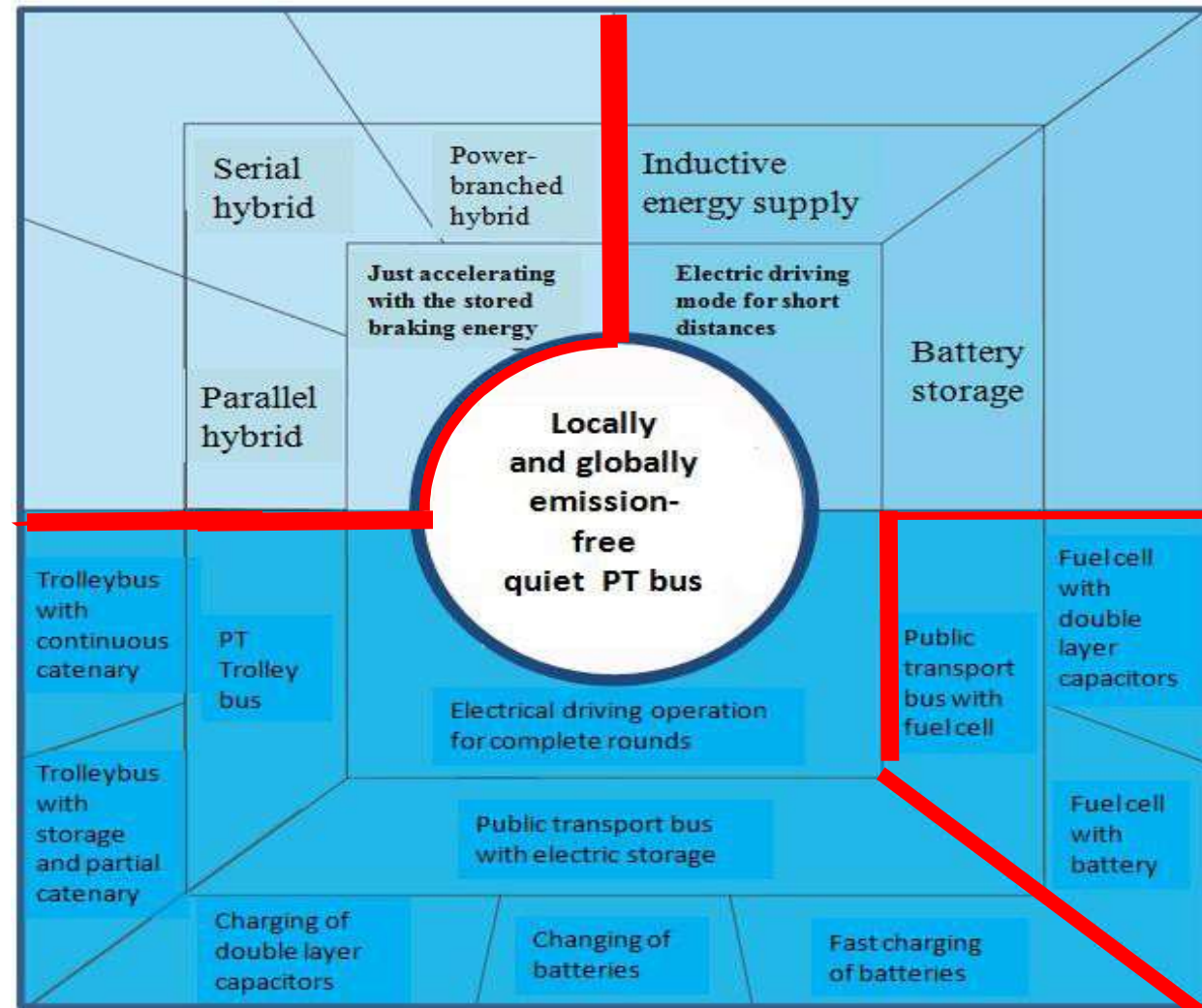
TROLLEYBUS COMMITTEE

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



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 DELIVERABLES

TYPOLOGY OF UITP SERVICES/DELIVERABLES

Events

- E1 - General Assembly
- E2 - Executive and Policy Boards
- E3 - Divisional Assembly
- E4 - Committee/session meeting
- E5 - World Congress & Exhibition
- E6 - Regional Congress & Exhibition
- E7 - International Conference (&Exhibition)
- E8 - Regional Conference
- E9 - Workshop/Round table
- E10 - Regular/periodic trainings
- E11 - Study tour
- E12 - Webinar
- E13 - Non-UITP event (Structural alliance)
- E14 - Non-UITP event (Punctual involvement)
- E15 - International Seminar
- E16 - Special events for high-level Executives

Information services

- C1 - Communications Campaign
- C2 - PTI Magazine
- C3 - UITP Direct Newsletter
- C4 - Global position/declaration
- C5 - Regional position/declaration
- C6 - Core brief/Information sheet
- C7 - Brochures/Publications
- C8 - Regional/Thematic Newsletter
- C9 - List of members
- C10 - Report of activities
- C11 - Web site
- C12 - Mobi+
- C13 - myUITP.org
- C14 - Social media
- C15 - Members hot line
- C16 - Awards
- C17 - Market watch / Business intelligence

Projects

- P1 - Statistics / Facts & figures
- P2 - Benchmarking activity
- P3 - Thematic study
- P4 - Manual/Guideline
- P5 - Special initiative
- P6 - Third-party funded Project

Customised services

- D1 - Customised training / study tour
- D2 - Peer review
- D3 - Customised Information
- D4 - Announcements (ex: Jobs, tenders)
- D5 - Connecting between PT professionals

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*

How to Build and Operate a Trolleybus Network, Part 2. Manual

- *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

2004 Jun	TWG establishing, Moscow (Russia)	1 st
2005 Mar	Belgrade (Serbia)	2 nd
2005 Sep	Cagliari (Italy)	3 rd
2006 Apr	Saltzburg (Austria)	4 th
2006 Dec	Solingen (Germany)	5 th
2007 Apr	Brno (Czech Republic)	6 th
2007 Oct	Lyon (France)	7 th
2008 Feb	Vologda (Russia)	8 th
2008 Nov	Zurich (Switzerland)	9 th
2009 Apr	Ploiesti (Romania)	10 th
2009 Sept	Lublin (Poland)	11 th
2010 Jun	Lyon (France)	12 th
2010 Oct	Athens (Greece)	13 th
2011 Jun	Sophia (Bulgaria)	14 th
2011 Nov	Yaroslavl (Russia)	15 th
2012 May	Parma (Italy)	16 th
2012 Oct	Leipzig (Germany)	17 th
2013 Apr	Limoges (France)	18 th
2013 Nov	Moscow (Russia)	19 th
2014 June	Bergen (Norway)	20 th
2014 Nov	Sao Paulo (Brazil)	21 st
2015 Apr	Lausanne (Switzerland)	22 nd
2015 Oct	Malatya (Turkey)	23 rd
2016 Jun	Gdynia (Poland) <i>Welcome</i>	24 th



UITP BUS Division Committee's activity

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

(between Conferences)

biannually

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

Per Gunnar ANDERSSON,

How to operate an efficient trolleybus and e-grid bus systems

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

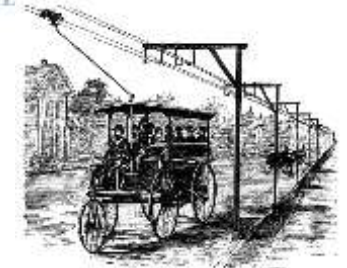
Adam ZIELINSKY

Latin America

Roberto B. BERKES

Welcome on Board

Almost 1000 cities experienced with trolleybuses



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’

www.tbush.org.uk





ADVANCING
PUBLIC
TRANSPORT



Thank you very much for your kind attention!

Sergey KOROLKOV, PhD
Trolleybus Committee Chairman



TROLLEYBUS

Chairman of the Board

