

**National Institute of Standards and Technology & the Standards Institution of Israel
Standards in Trade Workshop on
Intelligent Transportation Systems (ITS) and Transportation
Management Systems (TMS) Standards for Israel**

**Israel National Roads Company (MA'ATZ)
Tel Aviv, Israel
24-26 March, 2009**

Schedule

DAY 1: Tuesday, March 24

8:30 AM **Registration**

9:00 AM **Welcome and Introductions**

Israel

Doron Tamir, Director General
The Standards Institution of Israel (SII)

Jacov Peleg, Chairman of SII ITS technical standard committee
Chief Technical Officer, Derech Eretz Company

United States

Belinda Collins, Director
Technology Services
National Institute of Standards and Technology (NIST)

Stephen Kern, Team Leader
Global Technology Exchange Program
Federal Highway Administration

9:20 AM **Workshop Overview**

Kelsey Scheich, Standards Specialist
National Institute of Standards and Technology (NIST)

9:30 AM **Overview of NIST**

Belinda Collins, Director
Technology Services
National Institute of Standards and Technology (NIST)

Overview Session: ITS Architecture and ITS /TMS Standards Landscape

- 9:45 AM **Israel Approach to ITS & TMS Standards Development, Adoption & Use**
Zeev Shadmi, Vice Chairman of SII ITS Technical Standard Committee
Research and ITS Program Manager, Chief Scientist Unit, Israel Ministry of
Transport and Road Safety
- 10:00 AM **U.S. National ITS Architecture (NITSA) and ITS Standards: Open
Standards Development based on the NITSA, Standards in
Regional/Statewide ITS Architectures, and NITSA's Relationship to ISO
14813**
Rob Jaffe, President
ConSysTec
- 10:45 AM **Q&A**
- 11:00 AM **Break**
- 11:15 AM **Consensus Standards Development, Adoption, and Implementation in
the United States**
Ralph Boaz, President
Pillar Consulting
- 12:00 Noon **LUNCH**
- 1:00 PM **Q&A (for Consensus Standards Development Session)**

Standards for Traffic Management, Monitoring and Control

- 1:15 PM **Standardization in the Israel National Roads Traffic Management
Monitoring and Control Project**
Mina Aharonovich, Head of Traffic Management and Control Department
Israel National Roads Company (MA'ATZ)

- 1:45 PM **NTCIP Family of Standards**
Manny Insignares, Vice President Technology
ConSysTec
Chair, NTCIP Joint Committee
- 2:15 PM **ITS Center-To-Center Standards and Example Deployments**
Manny Insignares, Vice President Technology
ConSysTec
Chair, NTCIP Joint Committee
- 2:45 PM **NTCIP Center-To-Field Standards and Example Deployments**
Robert Rausch, Vice President
TransCore
- 3:15 PM **Q&A**
- 3:30 PM **Break**
- 3:45 PM **ITS Equipment Standards**
Ralph Boaz, President
Pillar Consulting
- 4:15 PM **State of the Art of Incident Detection**
Randy St. John, Senior Systems Engineer
Wavetronix
- 4:45 PM **Case Studies: State of Deployment of U.S. Standards**

New York Implements Standards-Based Traffic Control
Robert Rausch, Vice President
TransCore

Practical Widespread Deployment of NTCIP Standards
Michael Howarth, Vice President Business Development
Intelligent Devices, Inc
- 5:30 PM **Q&A**
- 5:45 PM **End of Day 1 Program**

DAY 2: Wednesday, March 25

- 8:30 AM **Registration**
- 9:00 AM **Daily Orientation**
- 9:05 AM **Welcome**
Alex Wiznizer, General Manager
Israel National Roads Company (MA'ATZ)

Standards for and State of the Practice for Public Transit

- 9:15 AM **TCIP Transit Standards, Status, and Applications**
Robert G. Ayers, PE, President
Ayers Electronic Systems, LLC
- 10:00 AM **Moving Towards Regional Public Transportation Systems Through
Integration and Data Quality Standards: Going Beyond the Transit Data
Dictionary**
Paula Okunieff, Senior Technical Staff
ConSysTec
- 10:45 AM Q&A
- 11:00 AM Break
- 11:15 PM **Web & Mobile Transportation Applications: Leveraging Open Source
Software, Open Data, and Open Standards**
Bibiana Kamler McHugh, IT Manager
GIS and Location Based Services
TriMet
- 12:00 noon **LUNCH**
- 1:00 PM **Q&A (for Web & Mobile Transportation Applications: Leveraging Open
Source Software, Open Data, and Open Standards presentation)**

- 1:15 PM **Integrated Multimodal Traveler Information: Use of Standards to Collect Transportation Information from Multiple Stakeholder Agencies and Deliver Traveler Specified Information**
 Yehuda Gross
 ITS Transit Program Manager
 U.S. Department of Transportation ITS- Joint Program Office
- 1:45 PM **Overview of the King County Metro Transit Intelligent Transportation System**
 John C. Toone, MPA (presented by Paula Okunieff)
 Senior ITS Project Manager
 King County Metro Transit Division
 King County Department of Transportation
- 2:15 PM **Regional Systems (Fixed Route and Demand Response Systems)**
 Todd M. Allen,
 Director of Business Development and Community Relations
 RouteMatch Software, Inc.
- 2:45 PM Q&A
- 3:00 PM Break
- 3:30 PM **Contactless Transit Payment Standards for Public Transit**
 Martin Schroeder, M.S.M.E., P.E.
 Sr. Program Manager – Rail and Energy Programs
 American Public Transportation Association (APTA)
- 4:00 PM **Transit Signal Priority: Experience and Lessons Learned**
 Brendon Hemily, PhD
 Public Transportation Consultant
 ITS America
- 4:30 PM Q&A
- 5:00 PM End of Day 2 Program

DAY 3: Thursday, March 26

8:15 AM **Registration**

8:45 AM **Daily Orientation**

ITS Communications and Electronic Toll Collection

9:00 AM **Israel Perspective and Future Needs for ITS Communications
and Electronic Toll Collection**

Zeev Shadmi, Vice Chairman of SII ITS Technical Standard Committee
Research and ITS Program Manager, Chief Scientist Unit, Israel Ministry of
Transport and Road Safety

9:15 AM **Electronic Toll Collection Directions and Relation to ITS Communications**

Ron Allen
IBIB Group Consultants (Israel) Limited

9:45 AM **Wireless Communication for ITS: Vehicle Infrastructure Integration (VII)
(including DSRC and others)**

Gerald Conover, Managing Director (Presented by Robert Rausch)
PRC Associates

10:30 AM Q&A

10:45 AM Break

Closing Session

11:15 AM **Future collaborations**

Facilitated by:

- Belinda Collins, Director, Technology Services, NIST
- Yehuda Gross, U.S. Department of Transportation
- Joseph N. Prashker, Ph.D., Chief Scientist, Israel Ministry of
Transport

12:15 PM Conclusion of Workshop at MA'ATZ

Site Visits (includes lunch sponsored by MA'ATZ)

- 1:00 PM Depart MA'ATZ
- 1:15 PM MA'ATZ Traffic Management and Control Center
- 1:45 PM Road 431 (PFI)
- 3:00 PM Visit Latroun and Emmaus-Nikopolis Monastery, near Modi'in
- 6:00 PM Arrive at Sheraton Tel Aviv