

National Institute of Standards and Technology (NIST)
Standard in Trade (SIT) Workshop on
Intelligent Transportation Systems (ITS) and Transportation
Management Systems (TMS) Standards

Schedule

April 2 – 4, 2008
São Paulo, Brazil

**Blue Tree Towers Morumbi Convention Center Hotel
Ametista Room**

DAY 1: Wednesday, April 2, 2008

- 9:00 a.m. **Welcome and Introductions**
Belinda Collins, Director
Technology Services
National Institute of Standards and Technology (NIST)
- 9:30 a.m. **Workshop Overview**
Ileana Martinez, Physical Scientist
National Institute of Standards and Technology (NIST)
- 9:45 a.m. **Overview of NIST**
Belinda Collins, Director
Technology Services
National Institute of Standards and Technology (NIST)
- ITS Architecture and ITS and TMS Standards Landscape**
- 10:15 a.m. Open ITS Architecture: Why do we need it and how can you support it?
Michael Noblett, Chairman
ISO TC 204, Intelligent Transport Systems
- 10:45 a.m. Break
- 11:15 a.m. Architecture and Standards Landscape in Brazil
Eduardo Coutinho, Director
ITS Brazil
- Sebastião Ricardo Martins, Director of Operations
ARTESP - Agency of Transportation of the State of São Paulo

11:45 a.m. ITS and TMS Standards Landscape in the United States - Infrastructure, Organizations, and Challenges
Rob Jaffe, President
ConSysTec

12:15 p.m. Questions and Answers

12:45 p.m. 2008 World Congress on ITS
Michael Noblett, Chairman
ISO TC 204, Intelligent Transport Systems

1:00 p.m. LUNCH

Standards Overview

2:15 p.m. Brazilian Approach to ITS and TMS Standards Development, Adoption, and Use
Gloria Santiago Marques Benazzi, Executive Director
CB-16/ABNT

2:45 p.m. Consensus Standards Development, Adoption, and Implementation in the United States
Ralph Boaz, President
Pillar Consulting

3:15 p.m. Questions and Answers

3:45 p.m. BREAK

Standards

4:15 p.m. NTCIP Standards (Center to Roadside Devices)
Robert Rausch, Vice President
TransCore

4:45 p.m. Device Standards
Ralph Boaz, President
Pillar Consulting

5:15 p.m. Questions and Answers

5:45 p.m. End of Day 1 Program

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DAY 2: Thursday, April 3, 2008

9:00 a.m. Daily Orientation

Standards (Continued)

9:15 a.m. Center to Center Standards Including Data Dictionary and Message Sets
Robert Rausch, Vice President
TransCore

9:45 a.m. Questions and Answers

10:15 a.m. Contact-less Transit Payment Standards for Public Transportation
Chung-Chung Tam, Revenue Systems Engineer
Chicago Transit Authority

10:45 a.m. Questions and Answers

11:15 a.m. Break

11:45 a.m. New York Implements Standards Based Traffic Control
Robert Rausch, Vice President
TransCore

12:15 p.m. Questions and Answers

12:45 p.m. LUNCH

Conformance Testing

2:00 p.m. Brazilian Perspective and Experience
Claudio Marte, Director of the Technological Center of Information,
Automation and Mobility of IPT and Consultant of the President of ITS
Brazil

2:30 p.m. U.S. Perspective: Need and Importance of Testing for Interoperability
Bryan Mulligan, President
Intelligent Devices

3:00 p.m. Questions and Answers

3:30 p.m. BREAK

Transit Systems

4:00 p.m. Regional Systems (*Fixed Route and Demand Response Systems*)
Carol Schweiger, Vice President
TranSystems

4:30 p.m. Signal Control Priority
Michael Baltes, ITS Program Manager
U.S. Federal Transit Administration

5:00 p.m. Traveler Information and Route Planning
Rob Jaffe, President
ConSysTec

5:30 p.m. Questions and Answers

6:00 p.m. End of Day 2 Program

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DAY 3: Friday, April 4, 2008

9:00 a.m. Daily Orientation

Emerging Trends

9:15 a.m. Vehicle Infrastructure Integration (VII) (*including DSRC and others*)
Gerald Conover, Managing Director
PRC Associates

9:45 a.m. Questions and Answers

10:00 a.m. High Speed Weigh-in-Motion
David Jones, Transportation Specialist
U.S. Federal Highway Administration

10:30 a.m. Questions and Answers

10:45 a.m. BREAK

11:15 a.m. Practical Widespread Deployment of NTCIP Standards
Bryan Mulligan, President
Intelligent Devices

11:45 a.m. Questions and Answers

12:00 p.m. Workshop Evaluations

12:15 p.m. LUNCH

Closing Session

1:45 p.m. **Future collaborations**
Facilitated by:
Ileana Martinez, National Institute of Standards and Technology (NIST)
Ronald E. Boenau, U.S. Federal Transit Administration (FTA)
Chequer Jabour Chequer, ITS Brazil

2:45 p.m. **Closing Remarks**
Brazilian Representative:
Roberto Salvador Scaringella, President
CET-SP, Company of Transportation Engineering of the City of São Paulo

U.S. Representative:
Belinda Collins, Director
Technology Services

3:30 p.m. End of Program