

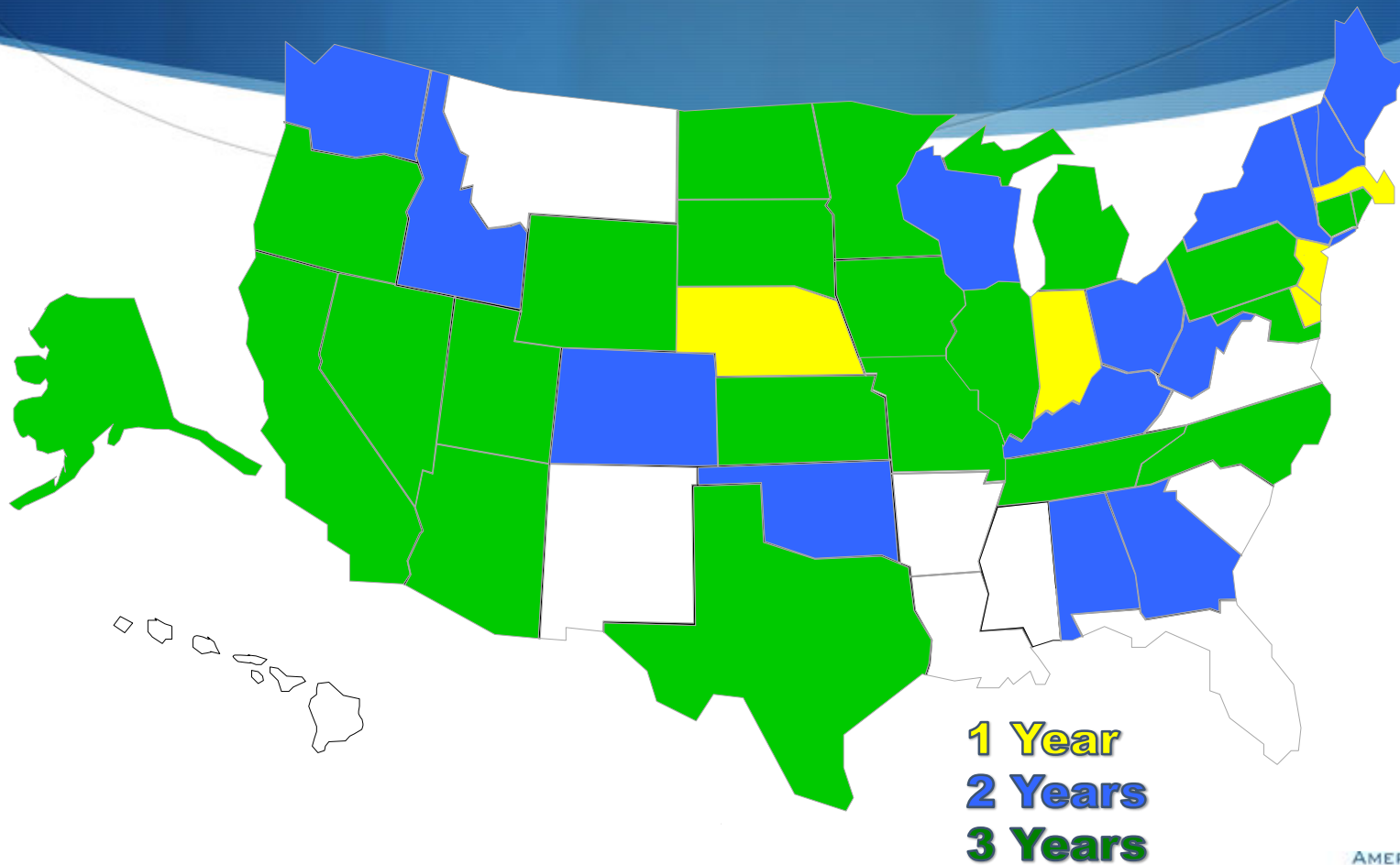
# SICOP Update

## 2014-15

Rick Nelson  
AASHTO – SICOP Coordinator

# Member States

FY12 – 33 FY13 – 33 FY14 – 33



2015 AASHTO SCOM Meeting  
July 20-23, 2015

# WMPCC

## Winter Maintenance Policy Coordinating Committee

- ❄ Each AASHTO region
- ❄ TRB Winter Maintenance Committee
- ❄ TRB Surface Transportation Weather Committee
- ❄ APWA
- ❄ NACE
- ❄ FHWA Liaison

# New Appointments

- ❄ Appointed new Chair
  - Nancy Albright – Kentucky Transportation Cabinet
- ❄ Appointed new AASHTO Region 4 Representative
  - Kyle Lester – Colorado DOT

# Accomplishments

- ❄ Identification of Top-10 practices for world-class winter maintenance program.
  - Prepared a paper outlining the process and results
  - Made presentations of results
  - Developed a research needs statement addressing facility design
  - Surveyed states on status of implementation and barriers
  - Underlying theme of the National Winter Maintenance Peer Exchange.

# Accomplishments

## ❄ Winter Maintenance Surveys

- Salt Survey
- Annual Winter Survey and NEMO
- Status of Top-10 implementation and barriers
- Portable Rumble Strips use, experiences, and reports

# Accomplishments

## ❄ Research – Tech Transfer

- Co-sponsor 2015 National Winter Maintenance Peer Exchange
- NCHRP 14-34 Guide for winter maintenance performance measures
- Clear Roads: winter performance measures
- Aurora: quantifying salt concentrations on pavement



# Accomplishments

- ❄ Support HS&R TWG and other AASHTO subcommittees
  - Work with SCOH and member states on MDSS implementation issues
  - Development of Research Needs Statements
  - Liaison with STSMO Systems Operations Strategies WG & NOCoE



# Accomplishments

- ❄ Support & collaborate with other consortia & committees
  - CASE Winter Maintenance Study review team
  - Planning for 2016 TRB International Conference on Winter Maint and Surface Trans Weather
  - Presented State DOT perspective on weather forecast needs at AMS Washington Forum

# Accomplishments

- ❄ Support SICOP member states
  - Workforce development - CBT
  - Facilitate Communication – List Serve
  - Links to research and articles of interest
  - Provide specific information on winter maintenance related topics

Rick Nelson  
SICOP Coordinator  
Rnelson@aaashto.org

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# PIARC TC2.4

# Winter Service Update

# 2014-15

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# PIARC TC2.4 Winter Service

- ❄ 3 meetings & 1 workshop
  - Mobile road surface condition measurements in winter.
  - Presented of US activities
- ❄ Published the Snow & Ice Data Book
  - Contributed to the introductory chapter
  - Development of the marketing plan

# PIARC TC2.4 Winter Service

- ❄ Cooperation and collaboration
  - Participated in CEDR winter maintenance policy and practice survey.
  - PIARC TC members contributed to the Top-10 development and ranking surveys.
  - Provided information on portable rumble strip research and utilization in the US to the French TC members.



# PIARC TC2.4 Winter Service

## ❄ Strategic projects

- Crisis management of unusually severe and sustained snow events
- Sustainability and climate change considerations in winter operation
- Advanced technology for data collection and information to users and operators
- Winter Road Congress Planning – 2013 Andorra

## ❄ All products done and presented at World Road Congress 11/2015



# PIARC TC2.4 Snow & Ice Data Book

- ❄ <http://www.piarc.org/en>
- ❄ Worldwide best practice in winter maintenance
- ❄ 27 Countries Represented
- ❄ This short report will help you understand how other jurisdictions are handling the worst that cold weather conditions can offer, and how you can apply their learning to your transportation network.



## “EXCHANGE KNOWLEDGE AND TECHNIQUES ON ROADS AND ROAD TRANSPORTATION”

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## Publication sheet

### Snow and Ice Databook 2014

#### English Version:

Snow and Ice Databook 2014



Download for free

[22925.SIDB-EN-Winter-Service-World-Road-Association.pdf \(31.8MB\)](#)

#### French version:

Base de données sur la neige et le verglas 2014



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[22922.SIDB-FR-Viabilite-Hivernale-Association-Mondiale-Route.pdf \(30.5MB\)](#)

#### Spanish version:

Base de datos de la viabilidad invernal 2014



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[22924.SIDB-ES-Viabilidad-Invernal-Asociacion-Mundial-Carretera.pdf \(29.6MB\)](#)

Date 2015

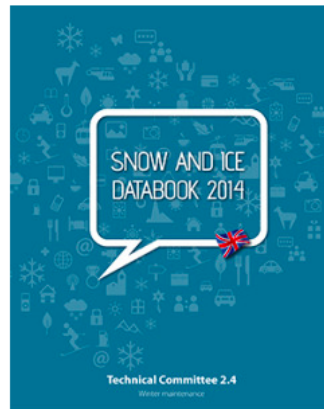
Author(s) Comité technique 2.4 - Viabilité hivernale Technical Committee 2.4 - Winter Service

Domain(s) Winter service

PIARC Ref. Snow and Ice DataBook - SIDB 2014EN

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Pages 223



This fourth edition of the Snow and Ice Databook was produced to accompany the 14<sup>th</sup> International Winter Road Congress held in Andorra. It compiles in a homogeneous and consistent format descriptions of practices for managing winter road conditions from nearly 30 countries. The four country-specific headings consist of: description based on geography, demographics and road network characteristics; potential climatological and meteorological phenomena; road management methods; and recent developments and current research addressing winter service conditions.

Winter conditions are always difficult to forecast. Climate change has influenced winter weather variations and each year brings its share of surprises. Winter service has become a difficult activity to plan for and schedule, especially in these times of continuously increasing demands and despite ever-tighter budget constraints. Experience from elsewhere is thus most instructive.

The Snow and Ice Databook is perfectly suited to handle such pressure. The objective here is to upload contributions benefiting both user safety, across all travel modes (automobile, walking, bicycle, public transit trips), and economic imperatives often relying on just-in-time management and dependent on the road network. The ultimate challenge is to accommodate environmental concerns and,

more broadly, implement sustainable development approaches.

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# PIARC TC2.4 Winter Service

- ❄ Transportation management during winter events
  - Best practices & case studies
- ❄ Deicing and brine treatments, interventions & best practices
  - Guidance report, best practices & mitigation of impacts
- ❄ Updating the Snow & Ice Data Book
  - Electronic Templates & updates in English, French, Spanish
- ❄ Preparation of 2018 Winter Road Congress - Gdansk

# PIARC TC2.4 Winter Service

- ❄️ World Road Congress, November 2016
  - Moderating the Winter Service Technical Program
  - Presenting a paper on Developing the Top-10 activities that constitute a world-class winter maintenance program.
- ❄️ Planning future webinars with SICOP/TRB/FHWA/PIARC tech transfer products within US