



Road Asset Management Systems and Performance-Based Contracting Training

Dushanbe, Tajikistan 12-14 February 2020

PROGRAM

TRAINING OBJECTIVES:

- 1) To introduce the basic principles and concept of Road Asset Management Systems (RAMS) and Performance-Based Contracting (PBC) to policy makers, government agencies and other stakeholders in-charge of road management and maintenance in CAREC countries.
- 2) To present best practices and provide advice on solutions to common problems in road management applicable to CAREC countries.
- 3) To provide guidance on how to design and implement a performance-based contract, and how to integrate road asset management systems into existing planning and budgeting procedures.

PROGRAM OUTLINE:

The 3-days training program is divided into: (i) 2-days, 8 sessions focusing on road asset management systems, and (ii) 1-day, 4 sessions training for performance-based contracting. The resource person will give a general presentation on the topics, followed by a plenary discussion or a break-out working group session.

Day 1: Road Asset Management System (RAMS)	
0800-0830	Registration
0830-0900	Welcome and Opening Session (followed by group photo)
0900-1030	Session 1.1: Introduction to RAMS <u>Presentation</u> – What a RAMS is, how it fits into road management, experiences in the CAREC region and beyond <u>Plenary</u> – What experiences with RAMS exist in country? How is road management and planning done? What role could a RAMS play in this?
1030-1100	Coffee break
1100-1230	Session 1.2: Functions of a RAMS <u>Presentation</u> – Different functions and uses of RAMS, different complexities, data needs, gradual evolution of a RAMS <u>Group Work</u> – Why do we want a RAMS? How do we want to use it? What functions should it fulfil? Who will use it?
1230-1330	Lunch
1330-1500	Session 1.3: Data to be collected <u>Presentation</u> – Minimum data requirements, network data vs project data, costs of data collection <u>Group Work</u> – What data do we want to collect? What will we use that data for? How can we collect that data?
1500-1530	Coffee break
1530-1700	Session 1.4: Method of data collection <u>Presentation</u> – Data collection equipment, in-house vs contracting out, frequency, resource requirements, costs and budget needs <u>Group Work</u> – How can we reduce data collection? How can we collect the data? Who will collect it? How often? What resources are needed?

Day 2: Road Asset Management System (RAMS)	
0830-0900	Registration
0900-1030	<p>Session 2.1: Data processing and management</p> <p>Presentation – Data validation and entry, data processing, data management, databases and GIS mapping, remote access, software</p> <p>Group Work – Who will validate and process data? What type of database do we need? Who can access data and how? What in-house skills do we need?</p>
1030-1100	Coffee break
1100-1230	<p>Session 2.2: Data analysis and planning</p> <p>Presentation – Statistics, standard reports, deterioration modelling, condition prediction, cost estimations, planning criteria, software</p> <p>Group Work –What prioritization criteria should we use? How should the criteria be combined? Should the analysis be detailed or basic? Should the analysis function be integrated or separate?</p>
1230-1330	Lunch
1330-1500	<p>Session 2.3: Road asset management</p> <p>Presentation – Integration with current planning procedures, linkage with financing and budgeting, implementation modalities and capacities</p> <p>Group Work – How will the RAMS be institutionalized? How will the RAMS fit into planning and budgeting procedures? What funding is available? How can we create the necessary implementation capacity?</p>
1500-1530	Coffee break
1530-1700	<p>Session 2.4: Conclusions and way forward</p> <p>Presentation – Summary of past sessions and discussions, need to define a road asset management plan</p> <p>Plenary – What are the next steps in developing a RAMS? What is the timeframe for doing so? Who will lead this? How will this be funded? What kind of support is required?</p>

Day 3: Performance-Based Contracting (PBC)	
0830-0900	Registration
0900-1030	<p>Session 3.1: Introduction to PBCs</p> <p>Presentation – Performance-based contracting, basis for payments, types of PBCs, benefits, risks, training needs, emergency maintenance</p> <p>Plenary – How is maintenance contracted? What are the experiences with PBCs? Could PBCs function under current legislation/systems?</p>
1030-1100	Coffee break
1100-1230	<p>Session 3.2: Performance standards</p> <p>Presentation – Maintenance activities, SMART indicators, standards and thresholds, impact of thresholds on costs and conditions, emergencies</p> <p>Group Work – What activities should be covered? What indicators and standards are appropriate? Are these SMART? How to deal with emergencies?</p>
1230-1330	Lunch
1330-1500	<p>Session 3.3: Inspections and Payments</p> <p>Presentation – Inspection frequency, in-house or contracted out, payment deductions, response times, emergency work orders</p> <p>Group Work – How will inspections be carried out? How will they affect payments? How to deal with response times? How to deal with emergencies?</p>
1500-1530	Coffee break
1530-1700	<p>Session 3.4: Conclusions and way forward</p> <p>Presentation – Summary of past sessions and discussions, need to develop a strategy for developing PBCs</p> <p>Plenary – What do we want to achieve in the next 5-10 years? How will this be financed? What kind of support is required? Who will lead this?</p>

ABOUT THE RESOURCE PERSON:

Serge Cartier van Dissel will be the resource person for the RAMS and PBC training program. He is specialized in road management and maintenance, with a focus on capacity building and organizational strengthening. He has wide experience in Latin America, Africa, Asia and the Pacific. He has extensive experience in road asset management and in performance-based contracting and has written the Compendium of Best Practices in Road Asset Management.

TRAINING MATERIAL:

The RAMS and PBC material can be downloaded from the following links:

Compendium of Best Practices in Road Asset Management

<https://www.carecprogram.org/?publication=compendium-best-practices-road-asset-management>

Guide to Performance-Based Road Maintenance Contracts

<https://www.carecprogram.org/?publication=guide-performance-based-road-maintenance-contracts>

Decision Maker's Guide to Road Tolling in CAREC Countries

<https://www.carecprogram.org/?publication=decision-makers-guide-road-tolling-carec-countries>

NOTE:

- All presentations will be in English and Russian language. Russian speaking translation will be available.
- Many international examples will be shown from the CAREC region and beyond.
- Questions will be welcomed at any time during any presentation. The workshop will be interactive, and participants will be encouraged to ask/answer questions and to make comments and inputs as they wish.
- Printed copies of the material will be available for participants at the training venue.