

ISSUE: 04. WINTER SERVICE MANAGEMENT

SUB-ISSUE: Tools for monitoring

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Room: B

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Presentation title:

EFFECTIVENESS OF ANALYSIS OF VISUALIZED SNOW REMOVAL OPERATION RECORDS TOWARD THE ESTABLISHMENT OF SNOW REMOVAL DEPLOYMENTSUPPORT SYSTEM

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Summary:

As snowfall and snow cover have a significant impact on road traffic in cold snowy regions, road administrators are required to remove snow efficiently and effectively. However, the considerations referenced to determine the need for snowplow dispatch (such as the relationship between the amount of snow falling and the time required to remove it) are not quantitatively understood. As a result, road administrators and snow removal contractors have to make decisions on snowplow dispatch, routes and echelon formation based largely on experience. The validity of snow removal routes and the timing of snowplow dispatch has not been fully examined at the post-snow removal stage.

