

~~TOP SECRET~~

4138

CENTRAL INTELLIGENCE AGENCY  
WASHINGTON, D.C. 20505

17 November 1977

MEMORANDUM FOR: The Director of Central Intelligence  
FROM : William W. Wells  
Deputy Director for Operations  
SUBJECT : WARSAW PACT JOURNAL: The Research and  
Development of a System of Automated Control  
and Regulation of Movement on the Roads  
of the German Democratic Republic

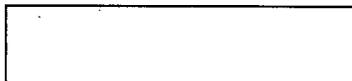
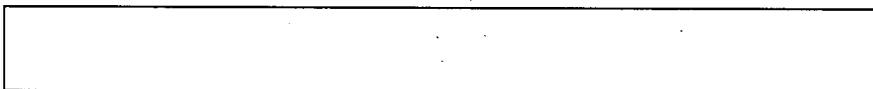
1. The enclosed Intelligence Information Special Report is part of a series now in preparation based on articles from a SECRET Soviet publication called Information Collection of the Headquarters and the Technical Committee of the Combined Armed Forces. This article outlines a system being researched and developed by the East German Army for the automated control and regulation of troop movements on motor roads using the postal network and wire communications in conjunction with a system of control posts and information and command centers. Research is also being done on the automation of traffic monitoring and control by means of computers. This journal is published by Warsaw Pact Headquarters in Moscow, and it consists of articles by Warsaw Pact officers. This article appeared in Issue No. 1, which was published in 1970.

2. Because the source of this report is extremely sensitive, this document should be handled on a strict need-to-know basis within recipient agencies. For ease of reference, reports from this publication have been assigned

William W. Wells

~~TOP SECRET~~

~~TOP SECRET~~



**Distribution:**

The Director of Central Intelligence

The Director of Intelligence and Research  
Department of State

The Joint Chiefs of Staff

The Director, Defense Intelligence Agency

The Assistant to the Chief of Staff for Intelligence  
Department of the Army

Director, National Security Agency

Deputy Director of Central Intelligence

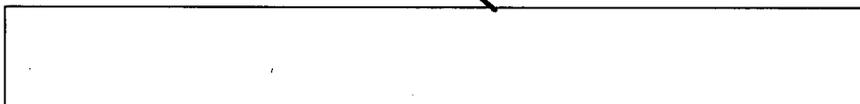
Director of the National Foreign Assessment Center

Director of Strategic Research

~~TOP SECRET~~



~~TOP SECRET~~



# Intelligence Information Special Report

Page 3 of 5 Pages

COUNTRY EAST GERMANY/WARSAW PACT



DATE OF  
INFO. 1970

DATE  
17 November 1977

SUBJECT

WARSAW PACT JOURNAL: The Research and Development of a System of Automated Control and Regulation of Movement on the Roads of the German Democratic Republic

SOURCE Documentary

Summary:

The following report is a translation from Russian of an article from a ~~SECRET~~ Soviet publication called Information Collection of the Headquarters and the Technical Committee of the Combined Armed Forces. This journal is published by Warsaw Pact Headquarters in Moscow, and it consists of articles by Warsaw Pact officers. This article outlines a system being researched and developed by the East German Army for the automated control and regulation of troop movements on motor roads using the postal network and wire communications in conjunction with a system of control posts and information and command centers. Research is also being done on the automation of traffic monitoring and control by means of computers. This article appeared in Issue No. 1, which was published in 1970.

End of Summary



~~TOP SECRET~~

~~TOP SECRET~~

Page 4 of 5 Pages

The Research and Development of a System of Automated Control and Regulation of Movement on the Roads of the German Democratic Republic

The military transportation agencies of the National People's Army have started developing a system of automated control and regulation of the movement of troops on the roads of the German Democratic Republic.

For this purpose they plan extensive use of the postal network and wire communications and the deployment of a system of control posts and information and command centers. In line with this, during movements and the assigning of traffic regulation tasks, information data will proceed from information posts on the march routes to the territorial command centers of the country and back to the control posts on the military march routes.

Within the framework of developing this system it is anticipated that information posts are to be established on the right of way of the march routes, with equipment for receiving and transmitting information on the passage of columns and individual vehicles to specially equipped command centers at the levels "administrative district, military district, and territorial command center of the German Democratic Republic".

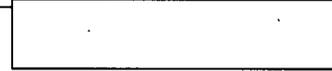
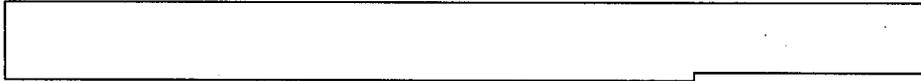
The information may come from the transducers of signals with which the columns and individual vehicles are equipped. The transducers are turned on when the columns (vehicles) pass the information points (posts). The information points record the data to be transmitted and send them immediately to the command centers.

The command centers receive the information coming in and systematize it. The data are displayed on illuminated indicator boards, making it possible to continuously monitor the course of movement on military roads. The equipment of the command centers provides for the transmittal of orders all the way to the control posts on the military march routes.

Research is also being done on questions of automating the overall process of monitoring and controlling by means of computers and also on the possibility of working out a mobile version of such equipment for data processing.

~~TOP SECRET~~

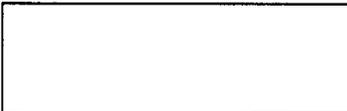
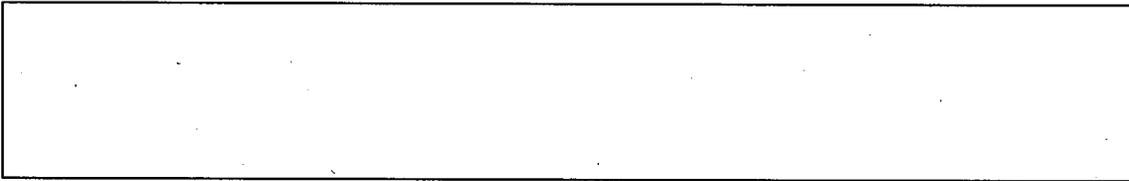
~~TOP SECRET~~



Page 5 of 5 Pages

With the establishment of an automated system and thanks to parallel exchange of information at all levels, there will be a decrease in the time intervals between the receipt of information and the issuance of orders. This system will make it possible to reduce the forces of the road maintenance service and to exercise more efficient control over contaminated sectors of march routes.

It is anticipated that the first components of this system will be tested in the period from 1971 to 1975.



~~TOP SECRET~~

