

AGENDA ITEM #9: CYBER RISK TO TRANSPORTATION CONTROL SYSTEMS: VMASC

SUBJECT:

The Virginia Modeling and Simulation Center (VMASC) has received a grant to study the cyber risk to Hampton Roads transportation control systems.

BACKGROUND:

As transportation control systems have evolved, they have increasingly embraced open forms of communications and are thus vulnerable to many of the same threats confronted by typical corporate TCP/IP based communications systems. VMASC research has shown that there is a serious knowledge gap among senior leaders and decision makers on these vulnerabilities of the transportation infrastructure and potential consequences of cyber attacks. The six month study will include identification, with the participation of stakeholders, of critical concerns, the use of modeling and simulation analysis to assess and compare potential risks, and suggested methods of risk mitigation. Meetings and workshops will be used to develop risk mitigation strategies and advance the understanding necessary for implementation of appropriate strategies.

Dr. Mike Robinson, Research Assistant Professor with VMASC, will brief the TTAC on this item.

RECOMMENDED ACTION:

For discussion and informational purposes.