**Electronic Commercial Drivers Licensing (eCDL) Program**, undertaken by the West Virginia Division of Motor Vehicles (WVDMV) and the Nick J. Rahall II Appalachian Transportation Institute (RTI) with funding provided by the Federal Motor Carrier Safety Administration (FMCSA) this project has converted a paper based Commercial Drivers License (CDL) testing procedure into a fully automated computer based system.

eCDL utilizes freeware/shareware computer applications to allow for free dissemination to other states. A number of states, as well as Canada, have expressed interest in obtaining eCDL as it becomes available.

Utilizing Toughbook laptops with GPS capabilities, RTI developed a comprehensive integrated system that complies with federally mandated CDL testing standards while increasing fraud detection capabilities for WVDMV. eCDL not only utilizes the GPS system during the road test, but additionally records GPS data during the vehicle inspection, and basic skills portions to ensure the test is completed in regulated areas. Further improvements include a notation screen, test scheduling calendar and encrypted email. Fraud prevention capabilities include:

- Examiner identification elements
- Test timer with email notification
- Test encryption
- Time/date location stamp
- Randomized tests
- Supervisory access to testing schedules

Examiners conduct CDL tests in the field throughout the state on the Toughbook, upload them wirelessly, which is then accessed via a customized website by the WVDMV Administration, from anywhere in the state. All tests are subjected to a rigorous statistical analysis of known parameters; any outliers are reported to the WVDMV Administration via email for closer inspection for possible fraud activity.

For more information on eCDL contact Dempsey Totten, eCDL Program Director:

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