

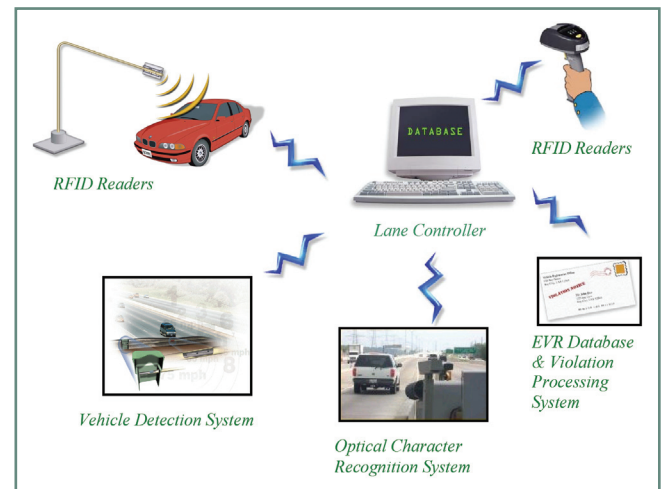
3M™ Electronic Vehicle Registration (EVR)

For today's transportation professionals, traffic management, safety and security initiatives are an increasing priority. State and local agencies are searching for solutions to improve mobility, efficiency and safety of their operations and for the driving public.

Electronic Vehicle Registration (EVR) is an integrated, total solution utilizing radio frequency identification (RFID) technology to electronically identify vehicles and validate the identity, status and authenticity of vehicle data. In addition, EVR increases efficiency and provides security features to support National Security efforts.

While many see RFID as a new technology, it has been in use for over 60 years. Today RFID is being used in many different applications, such as:

- Traffic Analysis/Management
- Congestion Pricing/e-Tolling
- Security Access Control (e.g., Airports, Governmental Facilities, etc.)
- Vehicle Registration and Insurance Compliance
- Border Crossing and Trade Corridor Efficiency



- Commercial Vehicle Monitoring
- e-Commerce
- Fleet/Asset Management
- Vehicle Inspection Efficiency

RFID-enabled vehicle compliance is one of the fastest growing applications within the Automatic Vehicle Identification (AVI) market. Components of the 3M EVR solution include:

- Secure RFID windshield sticker tag
- RFID readers (Fixed, Transportable and Handheld)
- Digital cameras with Optical Character Recognition (OCR) software
- Integration and/or creation of relevant databases
- Application and back-office software
- Back-office operations, including transaction processing and customer service

3M™ Electronic Vehicle Registration (EVR) *continued*

RFID Tags

3M's Electronic Vehicle Registration solution utilizes a passive, battery-free, tamper-resistant (destroyed upon removal) and tamper-evident RFID tag. The RFID tag houses a unique identification code, typically 64 bits in length. A secure, unique identification code is transmitted to a reader/antenna upon activation of the tag by an appropriate radio frequency signal and can be read at highway speeds.

RFID Readers

3M offers three types of reader systems, giving customers the flexibility to capture required data in the most efficient, cost effective manner.

Fixed Readers	Roadside Transportable Readers	Handheld Readers
Monitoring high traffic flows Enabling traffic management Monitoring borders Monitoring registration compliance	Monitor variable locations to avoid persistent "by-pass" of known reader locations Provide special operations	Officer queries Walking patrol Allowing access control to secure facilities Activating tags and updating tag data

Benefits of an EVR System

- Increased efficiency
- Increased safety and security
- More secure and efficient access control
- Reduced operating costs
- Better, more accurate information
- Increased compliance with vehicle registration requirements and regulations
- Increased revenues

3M has served the transportation market for over 60 years and 3M is a global leader in providing RFID solutions in markets worldwide including electronic vehicle registration, national ID, library security and supply chain systems.

For more information please contact your local 3M system consultant or call 1-800-553-1380.



Traffic Safety Systems Division

3M Center, Bldg. 0225-05-S-08
St. Paul, MN 55144-1000
USA
1-800-553-1380
www.3M.com/tss

3M Canada Company

P.O. Box 5757
London, Ontario N6A 4T1
1-800-3MHHELPS

Please Recycle

3M is a trademark of 3M.
Used under license in Canada.
© 3M 2006. All Rights Reserved