

# CASE STUDY: BRITISH COLUMBIA ENHANCED DRIVER'S LICENCE (EDL)



## KEY POINTS

A highly secure card program that uses RFID, laser engraved personalization, and other layered security technologies. Equipment and services deployed by Datacard Group include:

- 2 Datacard® MX6000™ card issuance systems with laser engraving and barcode/scanner modules
- RFID-shielded protective card sleeves and letter carriers
- Professional services including onsite maintenance

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## CASE STUDY OVERVIEW

**CUSTOMER:** The Insurance Corporation of British Columbia (ICBC)

**CHALLENGE:** Upgrade drivers' licences for citizens of British Columbia to include a radio frequency identification technology (RFID) chip that will help facilitate traveler processing at the U.S. borders. The enhanced driver's licence (EDL) will act both as a licence to drive and as an acceptable document for entry from Canada into the United States by land and water.

**SOLUTION:** A highly secure card program that uses RFID, laser engraved personalization, and other layered security technologies.

**RESULTS:** Datacard technology meets the requirements for RFID and highly secure personalization. IBM Canada and Datacard Group are long-time, trusted providers to ICBC. The updated solution was easily integrated with existing systems previously deployed by IBM Canada and Datacard Group.

## DATACARD GROUP HELPS PROVIDE ENHANCED DRIVERS' LICENSES TO BRITISH COLUMBIANS

To allow Canadians more convenient and spontaneous travel to the U.S. by land and water, the province of British Columbia wanted to implement a document that was both secure and commonly held. A driver's licence, enhanced with security features, was the perfect answer – it could be made more secure and would not be an 'extra' document for people to carry. ICBC issued the EDL in a phased approach to allow both the provincial and federal governments to test the effectiveness of the program and ensure that all privacy, citizenship, and security requirements of both the Canadian and U.S. governments were met.

The RFID chip embedded in the EDL allows U.S Customs and Border Protection (CBP) to identify EDL cardholders as they approach the Customs booth. When read by the card reader, a unique identifier in the RFID chip connects to the central EDL database to verify the cardholder's identity.

## DATACARD DELIVERS

Datacard® MX6000 card personalization systems were selected by the prime contractor, IBM Canada, to personalize the polycarbonate enhanced driver's licence cards and to provide quality assurance on the RFID chips.

The modular platform of the MX6000 system includes a barcode/RFID scanner to read the ultra high frequency chip; laser modules with vision registration to personalize data and high resolution photos; and magnetic-stripe encoding to store data. Datacard Group provides on-site maintenance.

Datacard Group's flexibility and responsiveness helped provide a win-win solution for the integrator and the customer.