iRd international road dynamics

Experience the Connection:
Safer. Greener. Trusted.

iROC – Intelligent Roadside Operations Computer

IRD's iROC (Intelligent Roadside Operations Computer) is an e-screening data solution for commercial vehicle operations.

iROC is an essential component of IRD's e-screening systems and provides critical functions for inspection stations and virtual weigh stations:

Credential & Safety Screening – iROC pulls database information from FMCSA and SAFER data sources for credential and safety screening. iROC can also connect with state databases to enable screening for intra-state vehicles, permit and tax violations.
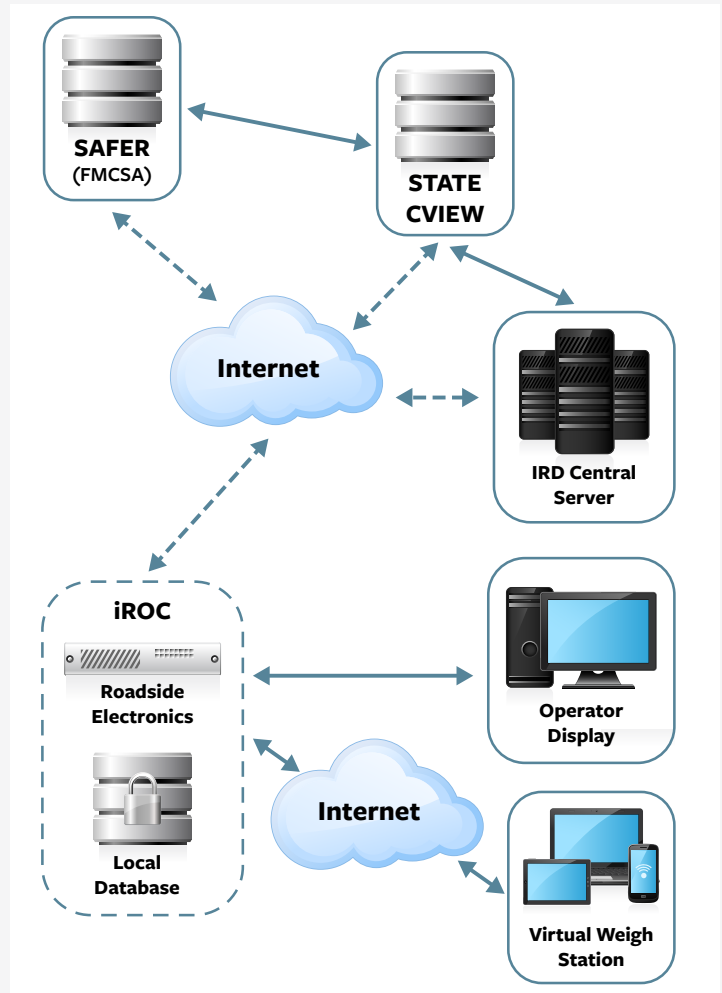
Referrals – Weigh station operators can identify vehicles for further processing within their facility. When vehicles are added to an inspection or permits queue the complete vehicle record is accessible to the inspector or permit office.

Reporting – The iROC provides a data store for future analysis of commercial vehicle operations. IRD's VI²M™ software works together with iROC to provide data analysis including the number of vehicles detected by sensors and the types of violations identified.

LPR Edits – LPR fields in vehicle records become editable enabling inspectors to correct license plate numbers in case of an Optical Character Recognition (OCR) error.

Hotlists – Hotlists are set up through the operator display and provide a list of commercial carriers or vehicles that will automatically fail screening.

Overrides – When the screening database is not synced with current paperwork, site-managed credential override lists allow for the identification of carriers or vehicles that are permitted to bypass screening for a specific credential or safety item.

iROC connects databases with weigh station operations

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FEATURES

- Electronic safety and credential screening providing mainline e-clearance for identified vehicles

- E-screening allows enforcement personnel to focus their efforts on vehicles that are most likely to fail inspection

- Seamless integration with IRD's operator display software for weigh station operations or Virtual Weigh Station (VWS) software

- Detailed, rich data repository for reporting tools, including IRD's VI²M™ and iMMS™ products

- Integrates with TACS™ by appending the tire anomaly violation to the vehicle record

- Connects with Federal and State safety and credential databases:
  - FMCSA and SAFER databases
  - Intra-State vehicle identification, tax, permitting, and safety databases

- Maintains local copies of remote databases that are updated as changes are made to the publication source
  - Remains available for e-screening in the event of a loss of network connection
  - Provides short signaling/signing time-frames
  - Secured Oracle database

Weigh Station Software

An iROC integrated with an IRD operator display or virtual weigh station provides e-screening functionality and enhanced historical search.

Vehicle record indicating potential violations (screening check)

VWS software: Carrier Snapshot and credential information

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Find out more about IRD on our website: **www.irdinc.com**