

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.

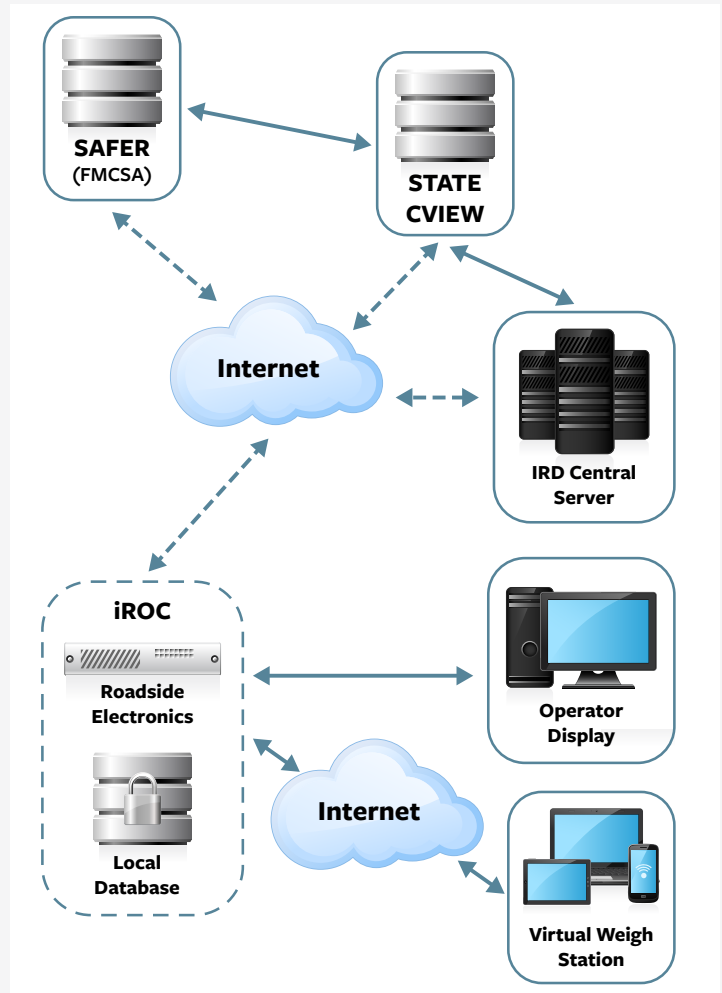
Referrals – Weigh station operators can identify vehicles for further processing within their facility. When vehicles are added to an inspection or permits queue the complete vehicle record is accessible to the inspector or permit office.

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.

On-Scale Screening Results

Vehicle: 193973 LANE RAMP REP CLASS 9 WHEELBASE 58.6 IN GVW 73,840
SORT Passed: 05/11/17 TIME 08:18:41-26 155852 MAX GVW 80,000
BAL: 193973 LANE RAMP REP CLASS 9 WHEELBASE 58.6 IN GVW 73,840
BIG STAR TRUCKING LLC

Failed Screening Check, BP Check Failed

Results	Identification	Images								
A.	Spacing(ft)	Left Width	Right Width	Total Width	Allowed Width	Permit Width	Permit Spacing	Violations	Total wt	Permit
1	0.8	5.160	5.120	11.280	20,000			No violation	1	11,280
2	16.4	7.920	7.400	15,300	20,000			No violation	2	30,000
3	4.3	7.160	8.000	15,220	20,000			No violation	3	32,040
4	33.9	8.740	7.380	16,120	20,000			No violation		
5	4.1	9.220	6.700	15,900	20,000			No violation		

USDOT Number: 621919
License Plate: 19999 ND

Potential Violations

Used	Credential/Safety Item	Vehicle/Snapshot Value	Screening Value
<input checked="" type="checkbox"/>	Vehicle must have CVISN LPR/USDOTIU	No identified LPR	
<input checked="" type="checkbox"/>	MCMIS status is Invalid (USDOT)		

Buttons: Snapshots, Vehicle, Carrier, Overrides, Vehicle, Carrier, Screening Criteria, Close, Print Ticket, Print Report, Print Preview

Vehicle record indicating potential violations (screening check)

VWS software: Carrier Snapshot and credential information

Vehicle: 23401 9 5 63.3 68 82,739 80,000 103
License Plate: TN C777CL
USDOT Number: 95555

Carrier Name: VANGO PARTNERS INC
Carrier ID: 95555

Identification: Work/Cargo Hazmat Inspections Safety Credentials Insurance

Motor Carrier Management Information System (MCMIS)

Status	Reason Inactivated	First Added	Carrier Record Created	MCS-150 Mileage (mi)	MCS-150 Update Date	Status Changed On	Last Updated
A		09/05/01	04/11/17	1	09/03/17	09/05/01	09/03/17

Transaction Date: 2016
MCMIS Status Changed: MCMIS_PU

International Fuel Tax Agreement (IFTA)

License Number	State Registered In	Registration Status	Registration Date	Issue Date	Expire Date
IL36622771500	IL	1	25/10/17	23/02/09	30/12/18

VWS software: Carrier Snapshot and credential information

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