Field Response and Reporting Mobility Application
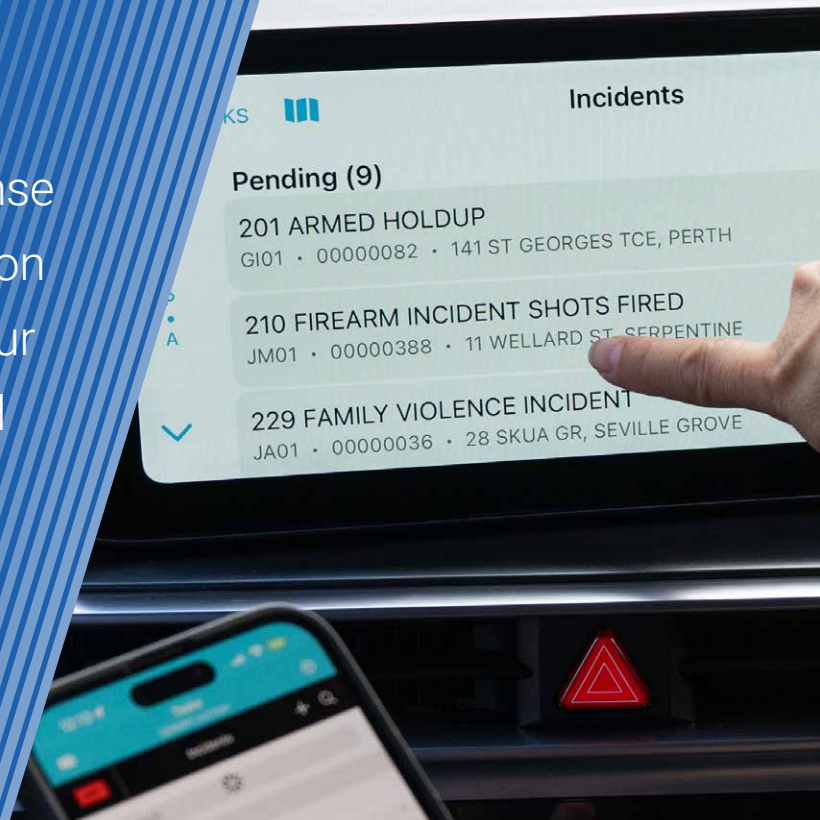
ANPR Integration

More focused, efficient and safe roadside enforcement and compliance

MOTOROLA SOLUTIONS

Motorola Solutions Field Response and Reporting Mobility Application can streamline processes for your entire roadside enforcement and compliance team, spanning frontline officers, dispatchers, administrative and senior staff.

Designed to integrate with your existing-third party or Motorola Solutions technologies.

Our Field Response and Mobility Application, converges data from multiple systems into one intuitive, source-agnostic platform for iOS and Android. Using your existing technology investment, you can mobilise core data and workflows to improve situational awareness, productivity and efficiency, as well as the safety of officers and the community.

Integrating our Field Response and Reporting Mobility Application with Automatic Number Plate Recognition (ANPR) systems shows how this is possible in roadside enforcement and compliance.

Why mobile licence plate recognition needs to be more efficient

Current roadside enforcement using mobile automated licence plate recognition (ANPR) is burdened with complex processes across multiple screens and applications. Firstly, officers have to remember different audio tones for different levels of vehicle alert. They must then complete a database search of the vehicle to confirm it is still wanted and access other key operational information such as the registered owner, usually by typing the vehicle plate into another application connected to database records, or by voice over the radio.

As part of the vehicle intercept process, officers must then update their status in the Computer Aided Dispatch (CAD) database to 'Traffic Stop', again either in another application, or by voice, recording their location and vehicle details for safety purposes.

Crucially, using different platforms to manage traffic intercepts along with manual data entry is slow and distracting officers from what they should really be focusing on: events unfolding in real time. This directly impacts officer efficiency, effectiveness and safety.
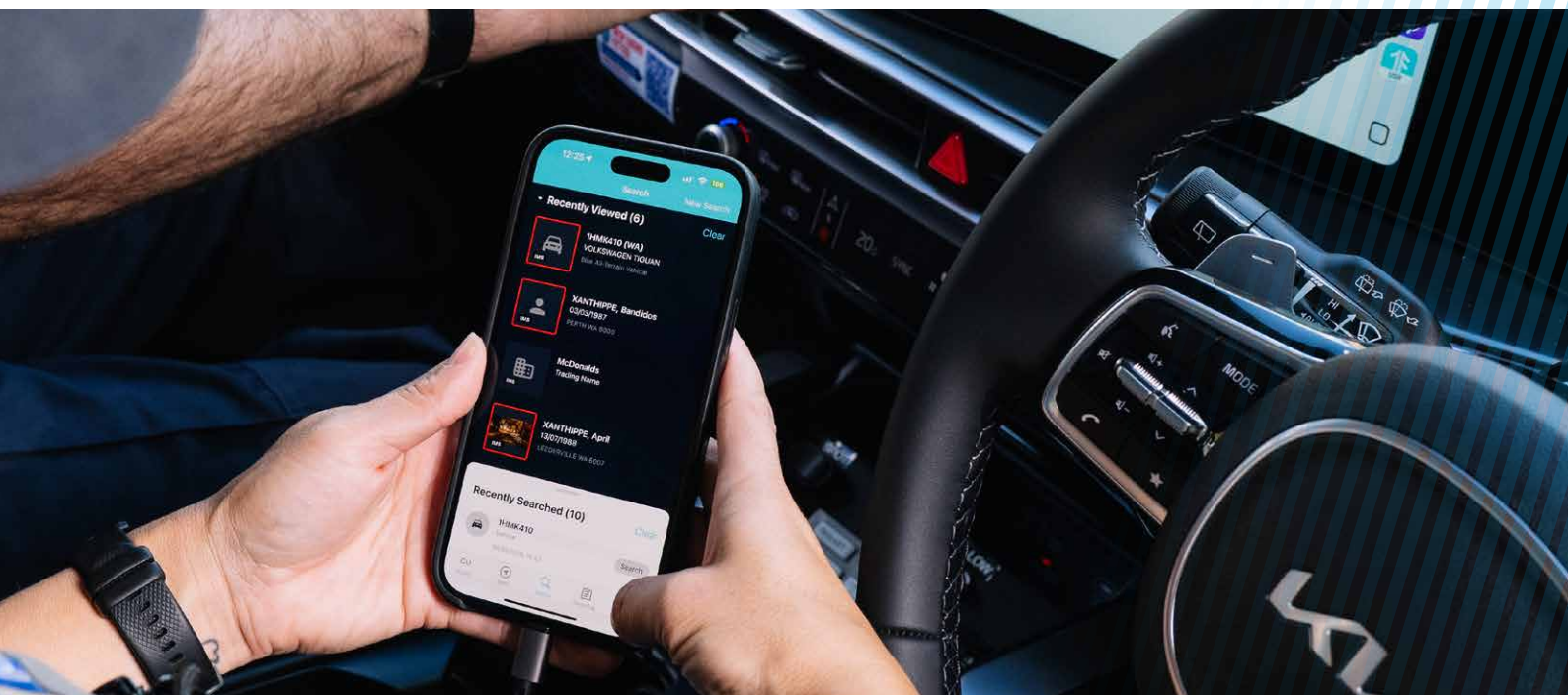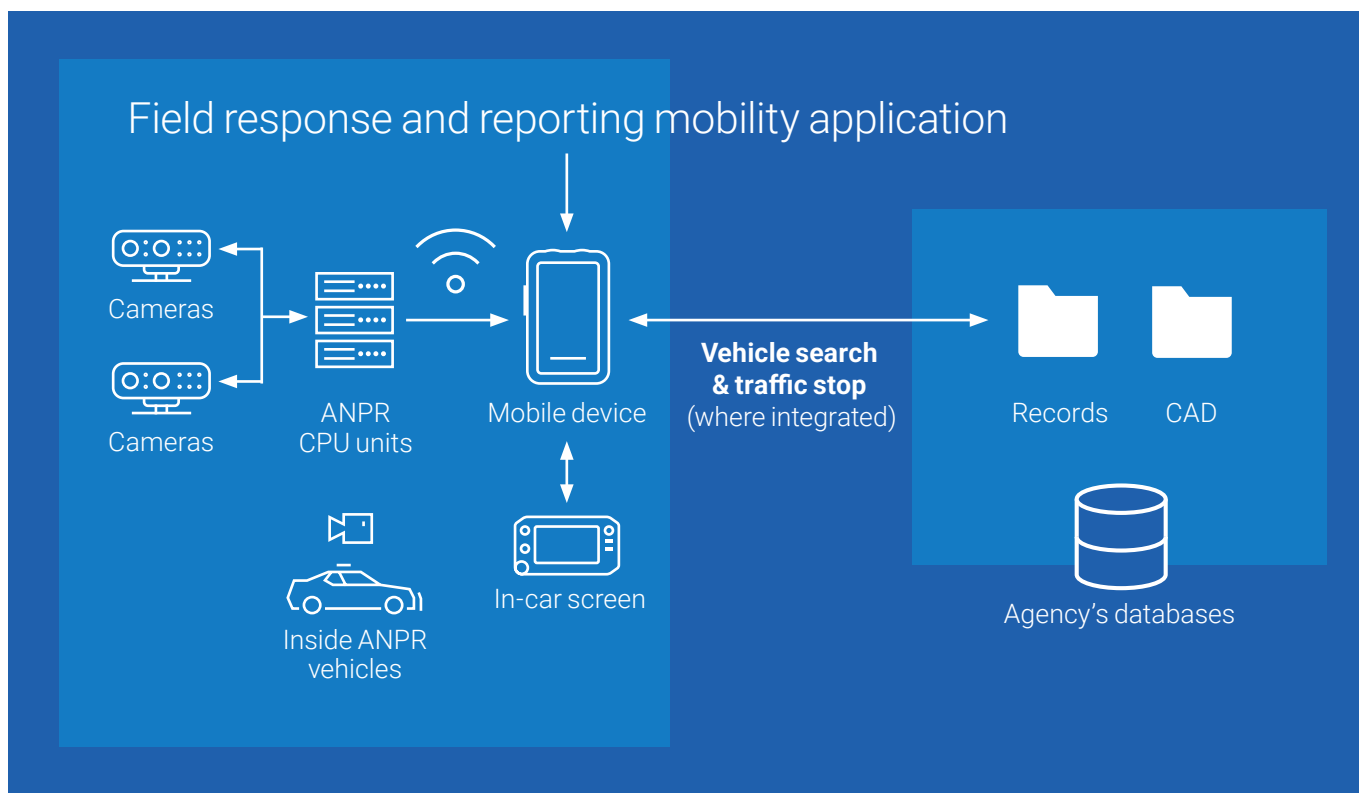
How Motorola's ANPR integration improves efficiency

Integrating ANPR systems with our Mobile App changes the game for roadside enforcement. Officers can use the ANPR-integrated application to quickly manage vehicle investigations safely, dynamically and efficiently. This can be done on their device of choice, whether it's iOS and Android phone or tablet, linked to an in-car media unit enabled for Apple CarPlay or Android Auto.
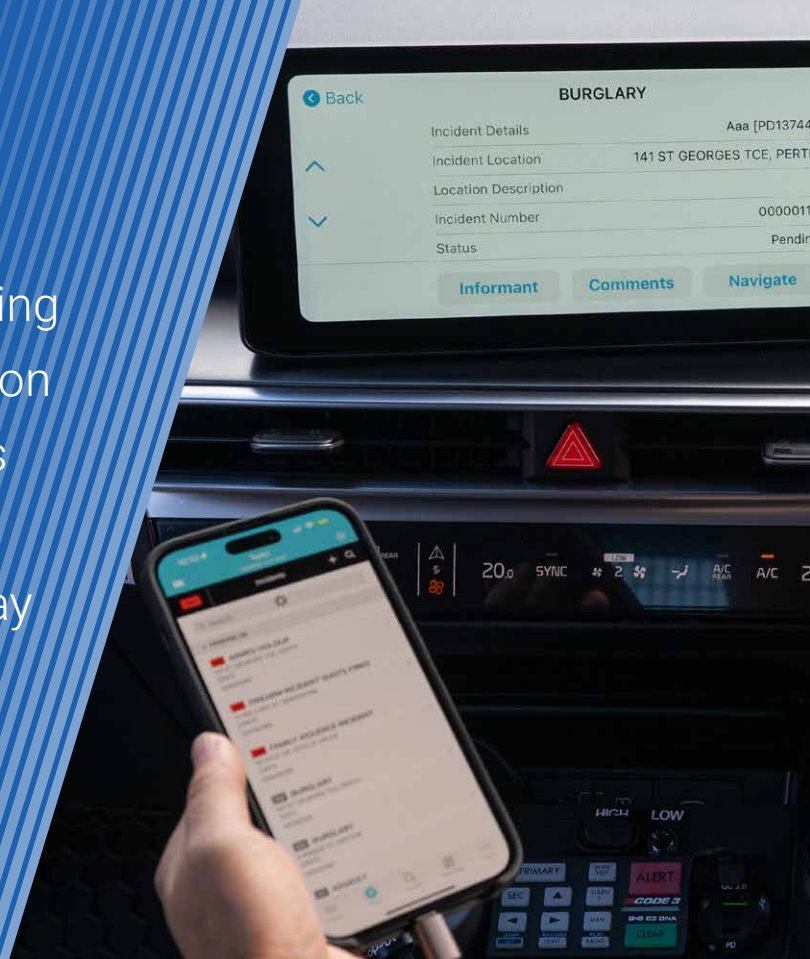
Depending on the databases integrated with our Mobile App such as CAD and Records, officers can have a single view of multiple sources of information. Instead of switching between applications and screens to access the real-time status of the wanted vehicle or initiate a traffic stop, they now have the speed and convenience of one screen and one tap to manage multiple processes. This seamlessly unified workflow can dramatically improve performance and safety the road.

A single unified workflow to boost performance

Field response and reporting mobility application

Cameras

Cameras

ANPR CPU units

Mobile device

Inside ANPR vehicles

In-car screen

Vehicle search & traffic stop (where integrated)

Records

CAD

Agency's databases

How it works

The Field Response and Reporting Mobility Application is installed on a mobile device which connects wirelessly to the vehicle's ANPR solution and either Apple CarPlay and Android Auto in-car media units.

When a hit is recorded, push notifications inform officers of wanted vehicles on their mobile device and media unit, with the details of the wanted vehicle are read out.

Where the Mobile App is also integrated with Records and CAD databases, officers can do one-tap searches on either their mobile device or media unit to confirm a vehicle's details, current status, and potential driver, then update Dispatch status to 'Traffic Stop'. The mobile device's location captures location and details of the vehicle being intercepted, and dispatchers are immediately notified. Officers can even monitor and respond to ANPR wanted vehicles on their mobile devices outside the vehicle.

Leading mobile recognition technology

Our advanced mobile recognition technology is designed to capture more accurate license plate, vehicle make and model information on the road, integrates with Motorola Solutions and third-party technologies, and can be configured to meet your needs.

ANPR

M500 In-car video system

ANPR integration can transform officer effectiveness

Speed response
Quickly complete a database vehicle search with a single tap to confirm it is still wanted before interception.

Improve safety
Identify potential danger faster via database searches of vehicles and drivers with just a few taps.

Reduce distractions
Replace separate audio alerts for different hits with voice notifications that automatically read out the type of hit.

Increase efficiency
Reduce manual data entry, radio voice searches, and switching between applications.

Enhance awareness
Keep eyes on the road and events rather than being preoccupied with time-consuming admin tasks.

Free officer movement
Stay connected to information on mobile devices even when outside of the enforcement vehicle.

Lower cost, increase convenience
With no in-car tablets/brackets to install, you increase space, cut costs and digital waste, and improve officer comfort.

Why Field Response and Reporting Mobility Applications?

Roadside enforcement and compliance everywhere is under mounting pressure. From attracting and keeping staff, managing tight budgets, to dealing with escalating issues, roadside enforcement organisations must increasingly do more with less. Technology is the answer, helping officers work smarter, faster and safer. Our Field Response and Reporting Mobility Applications are a significant step in reducing pressure on operations on the road.

The Motorola Solutions difference

Motorola Solutions is the first to integrate Field Response and Reporting Mobility Applications with ANPR, CAD and Records via mobile devices with Apple Carplay and Android Auto.

Whether you use Motorola Solutions' products or other providers' technologies, our applications will improve roadside enforcement operations, visibility and safety:

Mobile-first design

Our applications have been designed for mobile operations from the start. Officers can expect a brilliant, always-on experience that increases their effectiveness and autonomy in the field.

Technology agnostic

The application is built natively for iOS and Android, and can integrate with third-party ANPR, Records or CAD systems through Motorola Solutions APIs.

Configurable

The application can be tailored to suit your specific needs. By enhancing workflows relevant to your organisation, you'll have a fit-for-purpose solution that delivers the most from your investment.

Modular deployment options

Choose only the module you want and add to it over time. Start with ANPR, then integrate CAD and/or Records as needs and budget demand.

Professional delivery and support

Rely on Motorola Solutions' experience and skill to provide a fast and easy deployment, along with seamless operation.

Future-fit

Our Field Response and Reporting Mobility Application will be enhanced and supported well into the future. As your business needs change and technology evolves, we'll be with you at every step. Plus, we offer the flexibility to expand your capabilities with extensive mobile, fixed and trailer options for video-based number plate recognition.

To learn more, visit:
www.motorolasolutions.com/fieldresponseandreportingapp

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