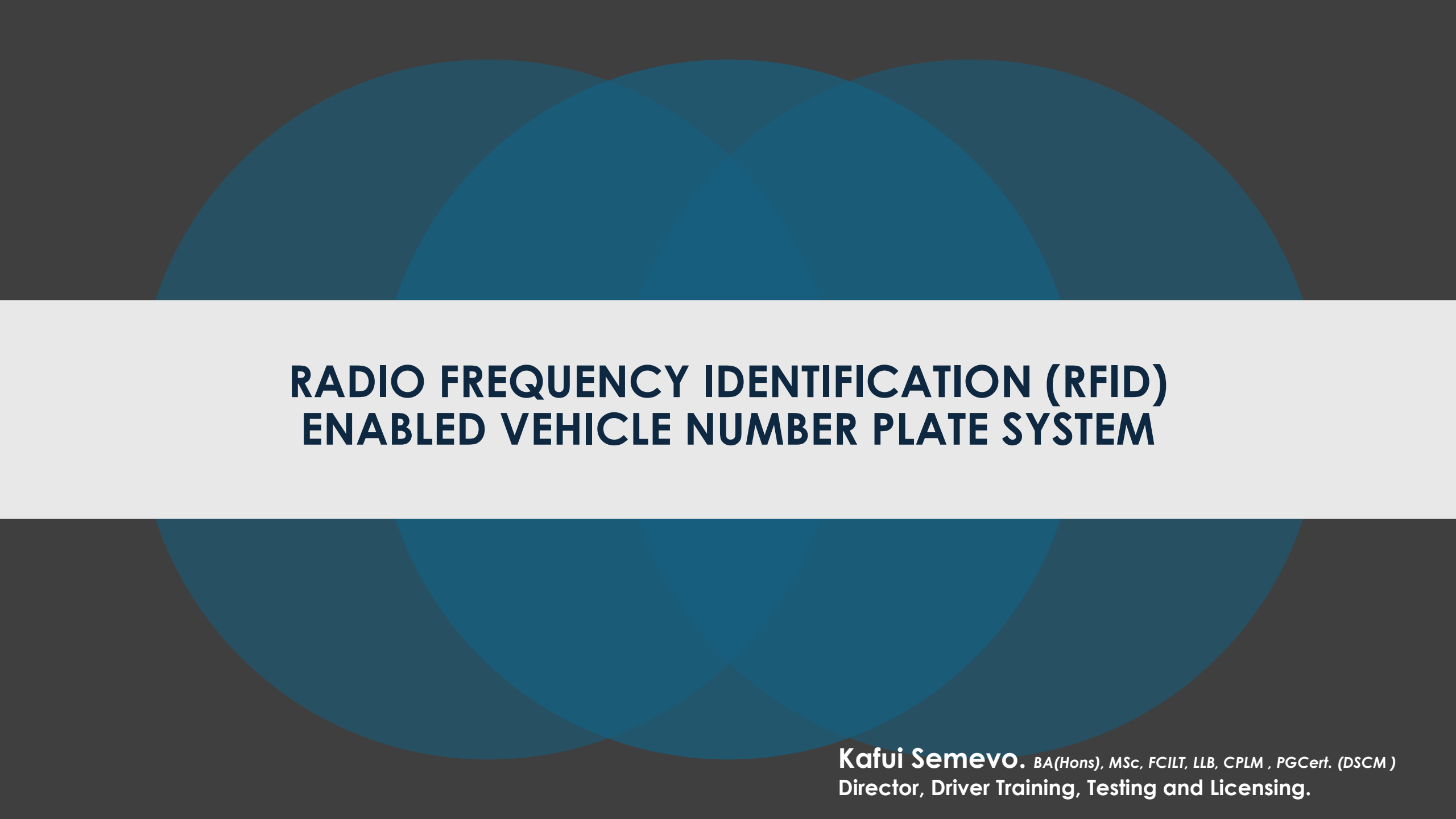
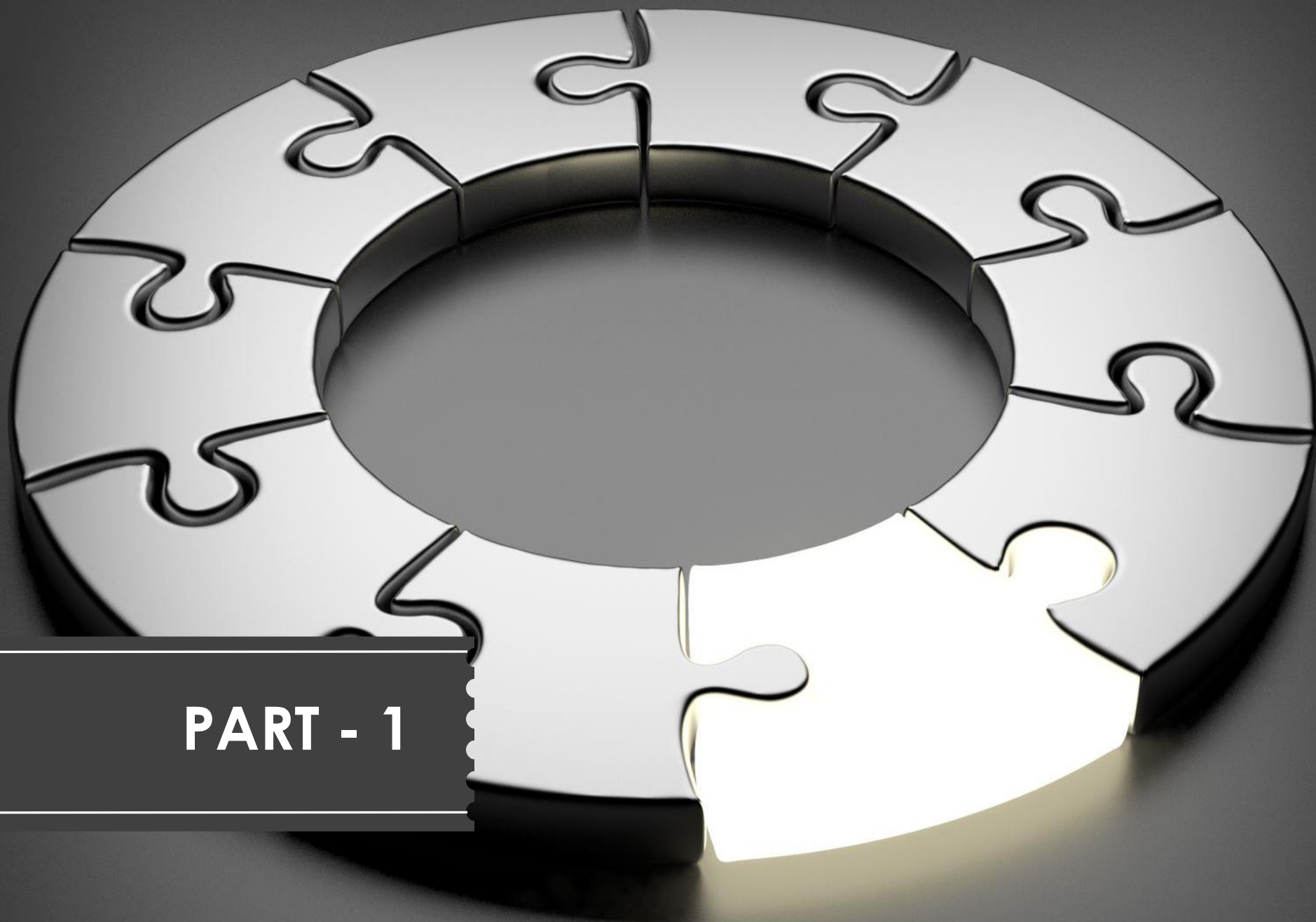




RADIO FREQUENCY IDENTIFICATION (RFID) ENABLED VEHICLE NUMBER PLATE SYSTEM

Kafui Semevo. BA(Hons), MSc, FCILT, LLB, CPLM , PGCert. (DSCM)
Director, Driver Training, Testing and Licensing.



PART - 1

01	Past Vehicle Registration Number Regimes in Ghana
02	The Current Situation
03	Expected Outcomes of the Reform
04	The Technology
05	Features of the New Vehicle Registration Number Plate
06	Samples of the New Vehicle Registration Number Plates
07	Rollout Plan

PAST VEHICLE REGISTRATION NUMBER REGIMES IN GHANA

Vehicle Registration Number Plates used in Ghana between the 1960s and 1980s.



**Registration
Centre Code**

**Vehicle
Registration
Number**

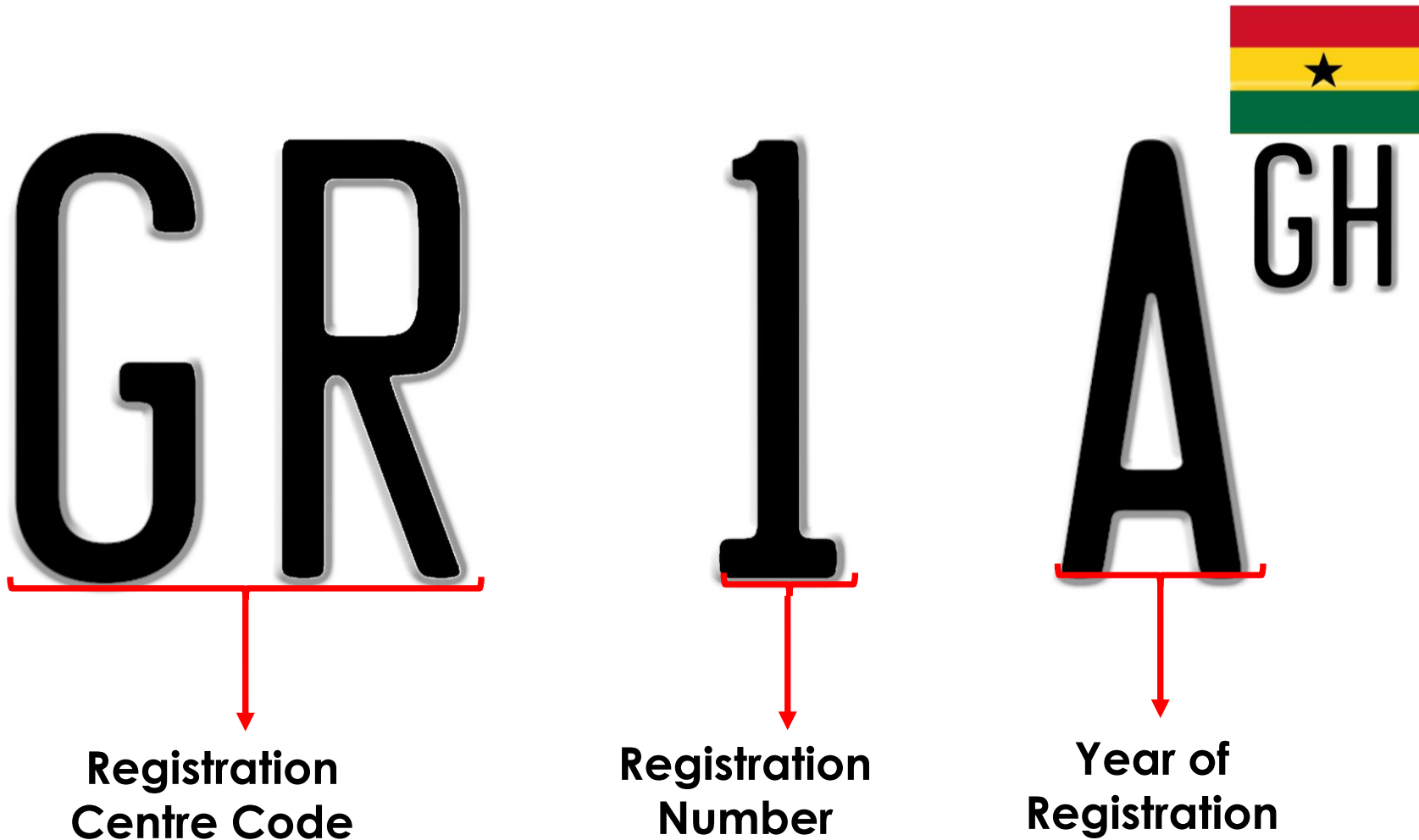


1960s – 1980s



- In 1995, the then Vehicle Examination and Licensing Division (VELD) undertook a re-registration exercise:
 1. To introduce a more enhanced registration regime.
 2. The exercise was in response to a call by ECOWAS for a standardised vehicle registration format to be adopted by its member states.

VEHICLE REGISTRATION NUMBER PLATE FORMAT USED IN GHANA FROM 1995 TO 2008



**VEHICLE REGISTRATION NUMBER PLATE FORMAT
USED IN GHANA FROM 1995 TO 2008**

GR 1 A  GH

**The first Registration
Number issued in
Accra in 1995**

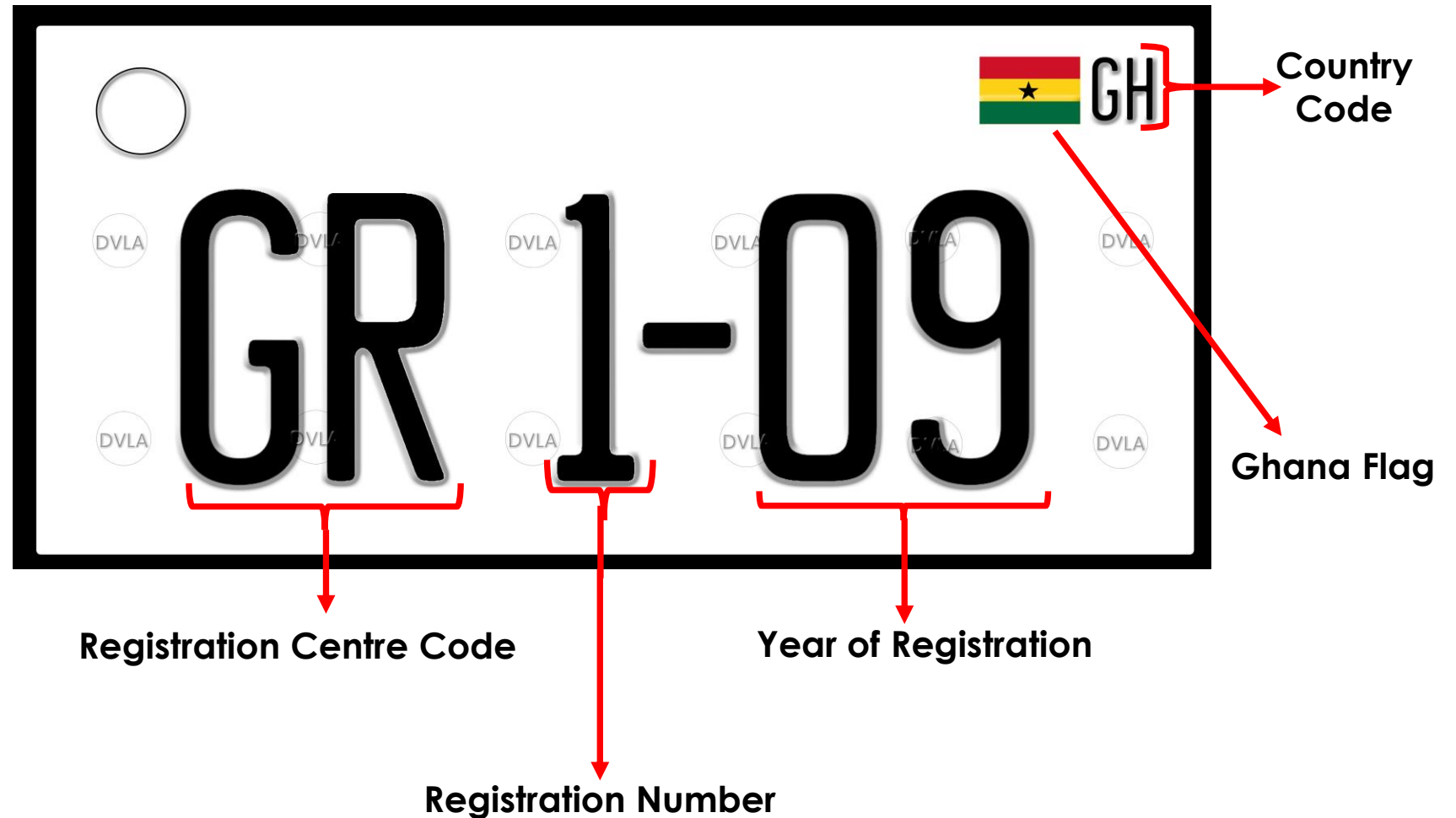
GR 9999 Z  GH

**Last Registration
Number issued in
Accra in 2008**

CHALLENGES WITH THE FORMAT INTRODUCED IN 1995

1. After **GR 9999 Z** was issued, it became clear that continuing with this format would require using multiple letters to indicate the year of registration.
2. Any combination with more than two letters would exceed the available space on the number plate.
 - For example, **GR 8080 AAB** would not fit. As a result, a new registration format was introduced in 2009.

VEHICLE REGISTRATION NUMBER PLATE USED IN GHANA FROM 2009 TO 2026



VEHICLE REGISTRATION NUMBER PLATE USED IN GHANA FROM 2009 TO 2026



**The first Registration
Number issued in
Accra in 2009**



**The last Registration
Number to be issued
in Accra in 2025**

THE CURRENT SITUATION

1. Vehicle registration number plates are manually embossment.
2. Information retrieval is manually done resulting in;
 - a. delays in giving information to law enforcers.
 - b. prolonged wait times and delayed services.
 - c. inability to verify number plates in real-time.

THE CURRENT SITUATION

3. The system is highly susceptible to fraud.
4. The current processes are slow and wasteful because they rely too much on paper-based tasks.
5. The number plates have weak security features.

THE CURRENT SITUATION

6. The cost of storing paper records keeps rising.
7. Inadequate space for paper file storage.
8. Paper records easily deteriorate.
9. Money is lost because too many number plate tasks are done manually.
10. Integrating systems to work together is still difficult, which makes it harder to serve customers well and grow income.

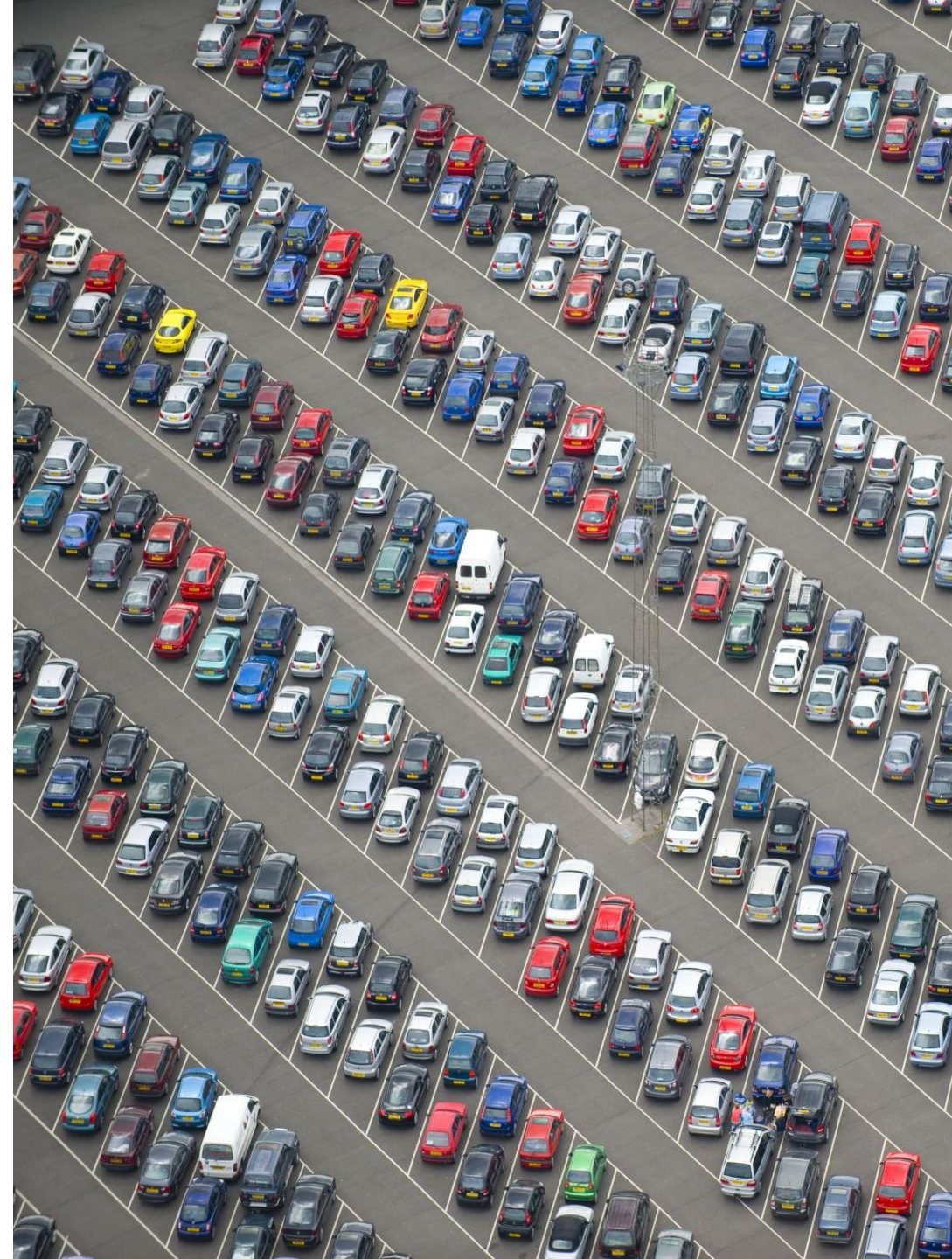
THE CURRENT SITUATION

- Because of these problems, about 5% of vehicles on our roads now have fake license plates.
- If no action is taken, this number will grow, crime will go up, and state revenue will drop.

EXPECTED OUTCOMES OF THE REFORM

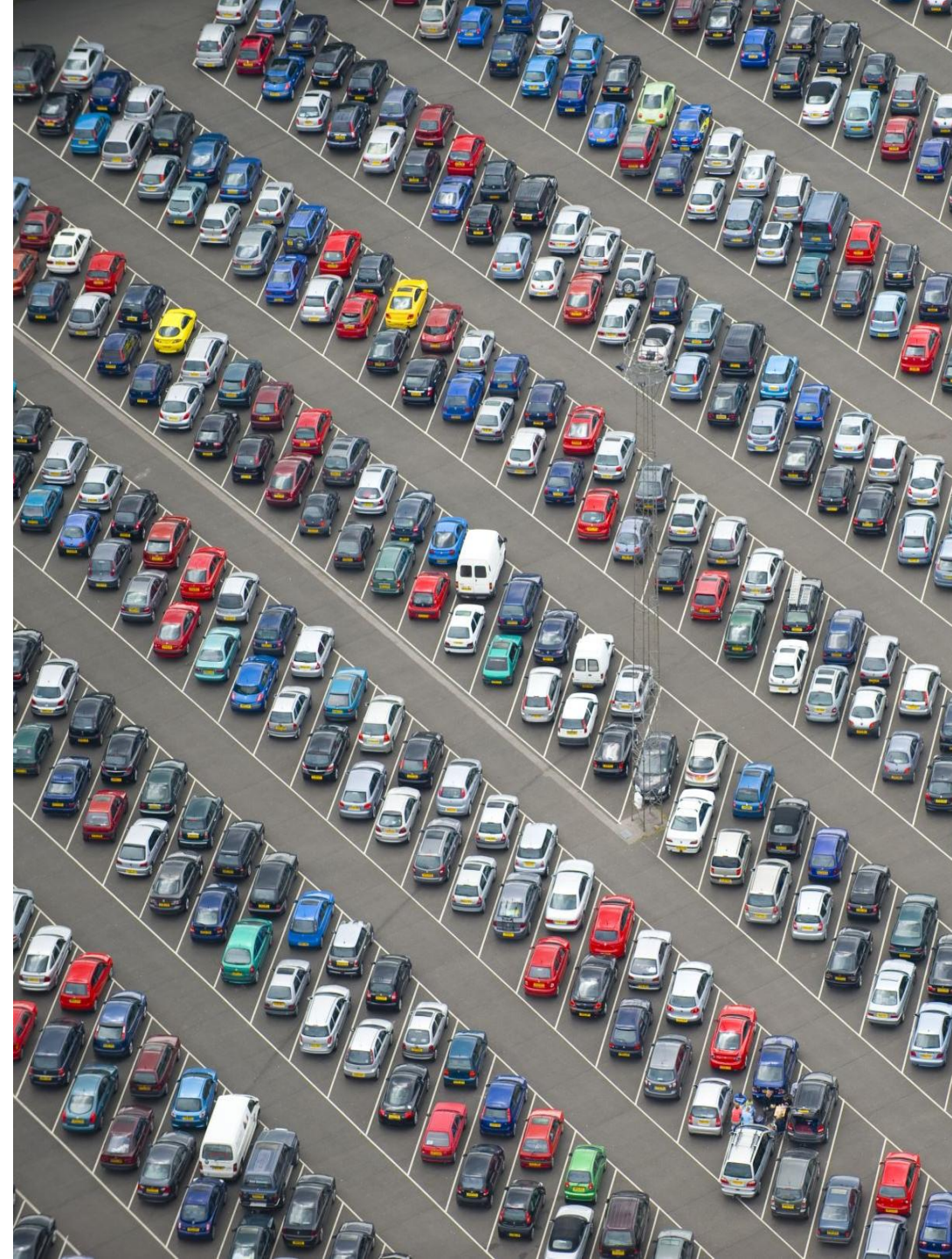
The reform will:

1. Create more credible and updated vehicle registration database.
2. Stop the registration of stolen and uncustomed vehicles.
3. Help properly identify vehicle owners.
4. Improve public safety and security.



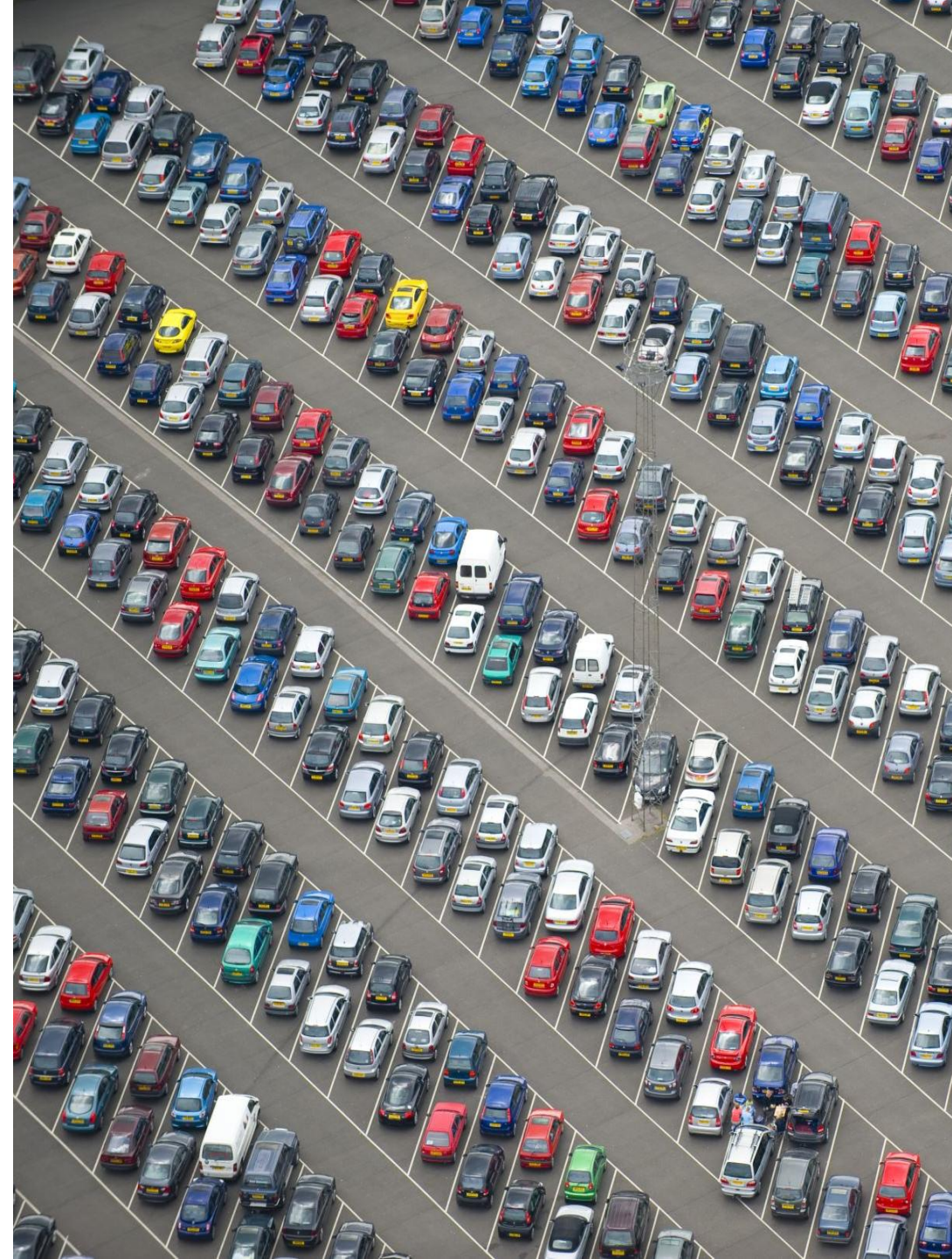
EXPECTED OUTCOMES OF THE REFORM

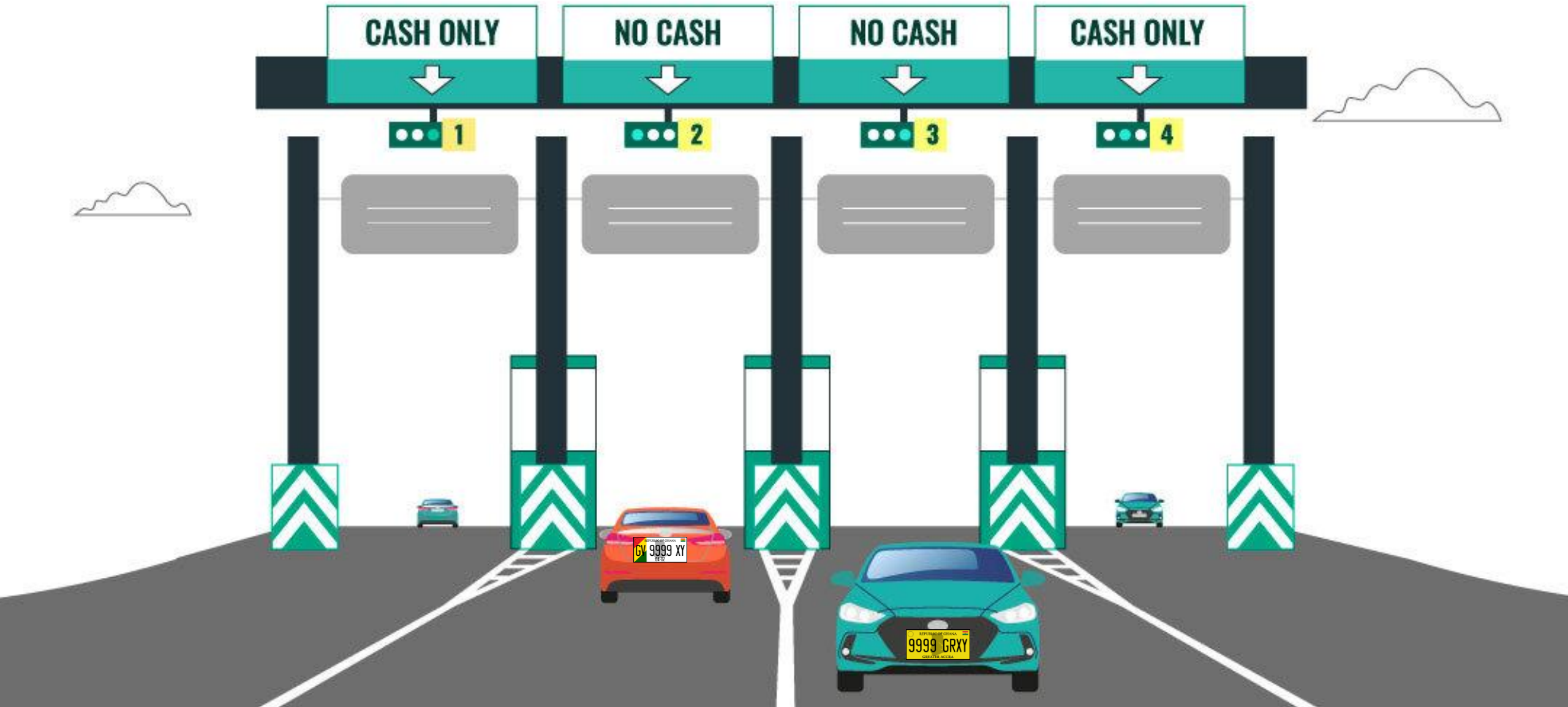
5. Improve service delivery,
6. Stop revenue leakages in the registration process,
7. Help integrate the Vehicle registration database with other agencies such as GHA – Toll System, NIC – Motor Insurance, Police and Judiciary – Law enforcement.



EXPECTED OUTCOMES OF THE REFORM

8. Help conform to international best practice.
9. Stop vehicle cloning and associated crimes.





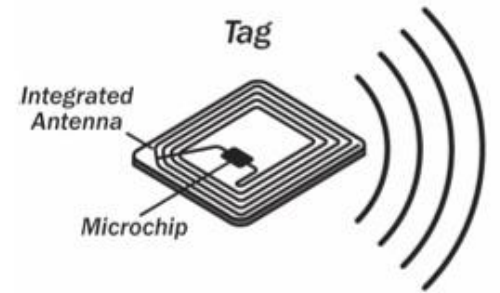
RFID AND TOLLING GANTRY

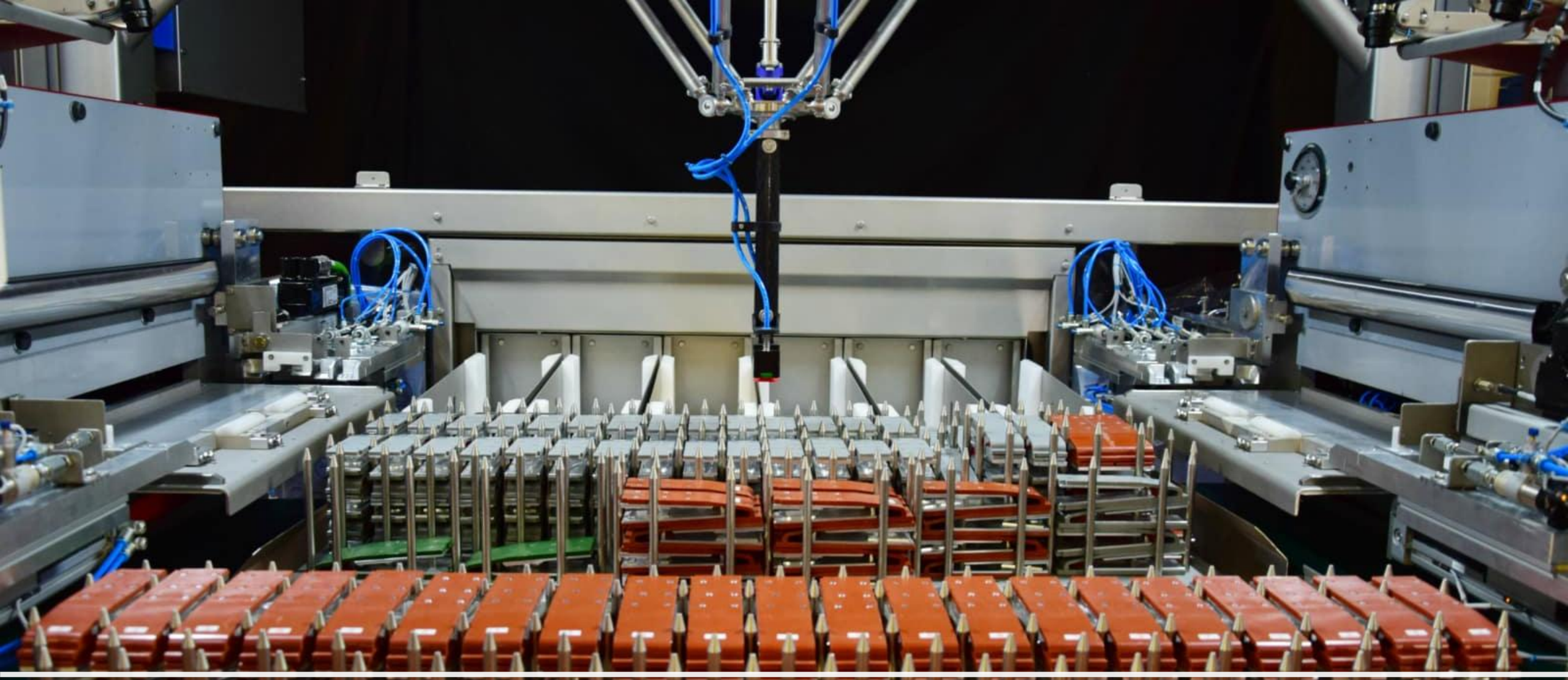


RFID AND LAW ENFORCEMENT

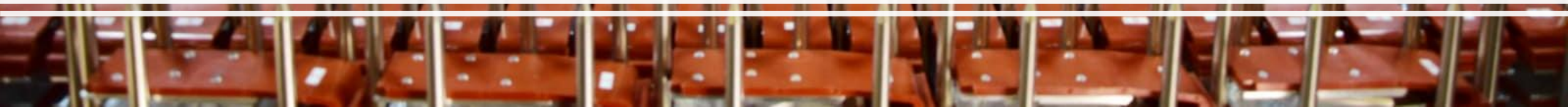
THE TECHNOLOGY

- The system will use **Radio Frequency Identification (RFID)** technology.
- It works by using radio waves to find and track items fitted with a small electronic tag.





EMBOSSMENT CENTRES



EMBOSSMENT CENTRES

1. Embossment centres will be located at DVLA approved locations.
2. Biometric verification will be required before any number is embossed.
3. Embossment centres will be registered and regulated by DVLA.
4. No number plate can be embossed without the approval of DVLA

OWNERSHIP OF THE VEHICLE REGISTRATION NUMBER

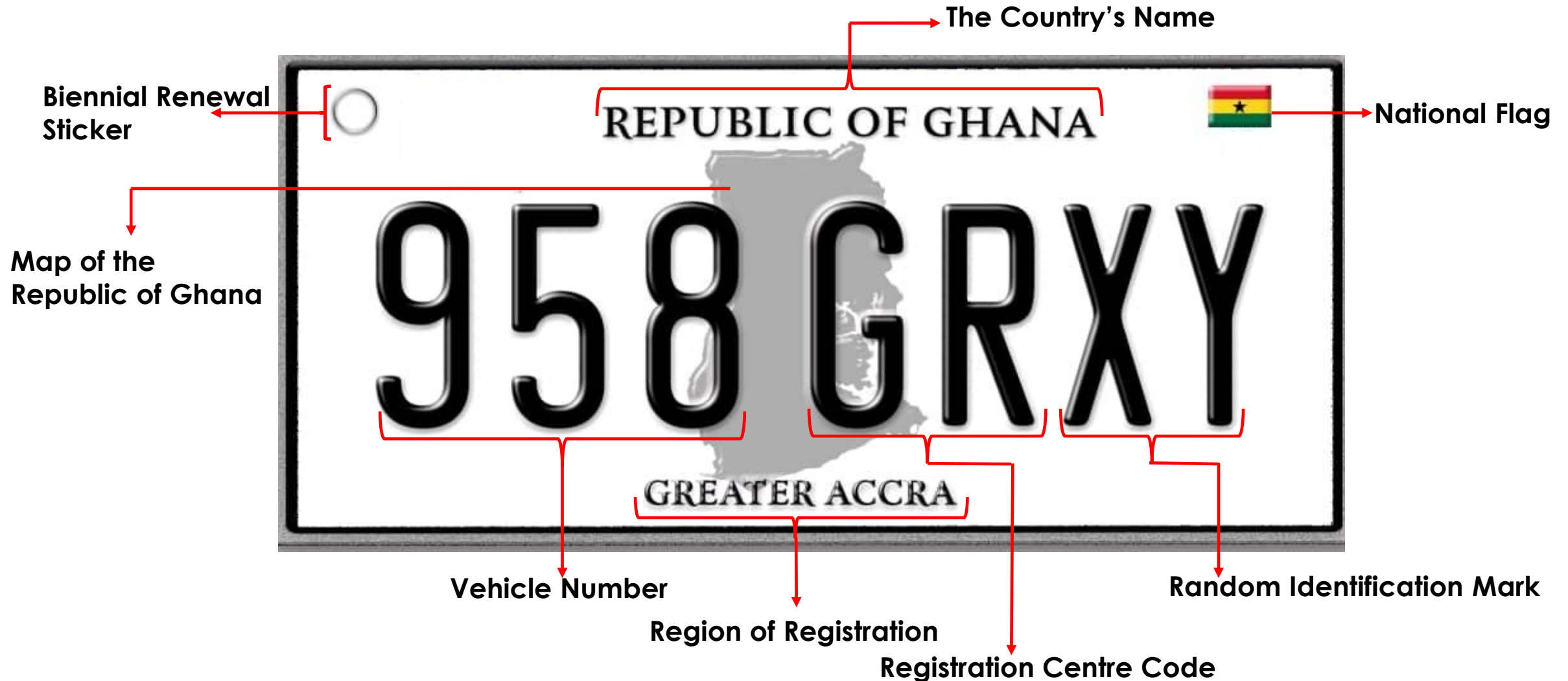
1. Numbers assigned to vehicles will be owned by the owners.
2. If the vehicle is sold, the assigned number will remain with the previous owner.
3. The new owner will register the vehicle and obtain a new number.
4. If the previous owner purchases another vehicle of same category, the retained number will be assigned to that vehicle.
5. If the number is not reassigned to a vehicle within five (5) years, it will be withdrawn and allocated to another vehicle owner.

OWNERSHIP OF THE VEHICLE REGISTRATION PLATE

1. The number plates embossed with the vehicle's assigned number remain the property of the state.
2. The Authority will collect and recycle plates that are no longer in use due to ownership change, defacement, damage, or similar reasons.



FEATURES OF THE NEW VEHICLE REGISTRATION NUMBER PLATE



SAMPLES OF THE NEW VEHICLE REGISTRATION NUMBERS



PRIVATE VEHICLE REGISTRATION NUMBER PLATE



COMMERCIAL VEHICLE REGISTRATION NUMBER PLATE



GOVERNMENT VEHICLE REGISTRATION NUMBER PLATE



ELECTRIC VEHICLE REGISTRATION NUMBER PLATE



DIPLOMATIC VEHICLE REGISTRATION NUMBER PLATE



DIPLOMAT

DIPLOMATIC VEHICLE REGISTRATION NUMBER PLATE



CONSULAR CORPS

DIPLOMATIC VEHICLE REGISTRATION NUMBER PLATE

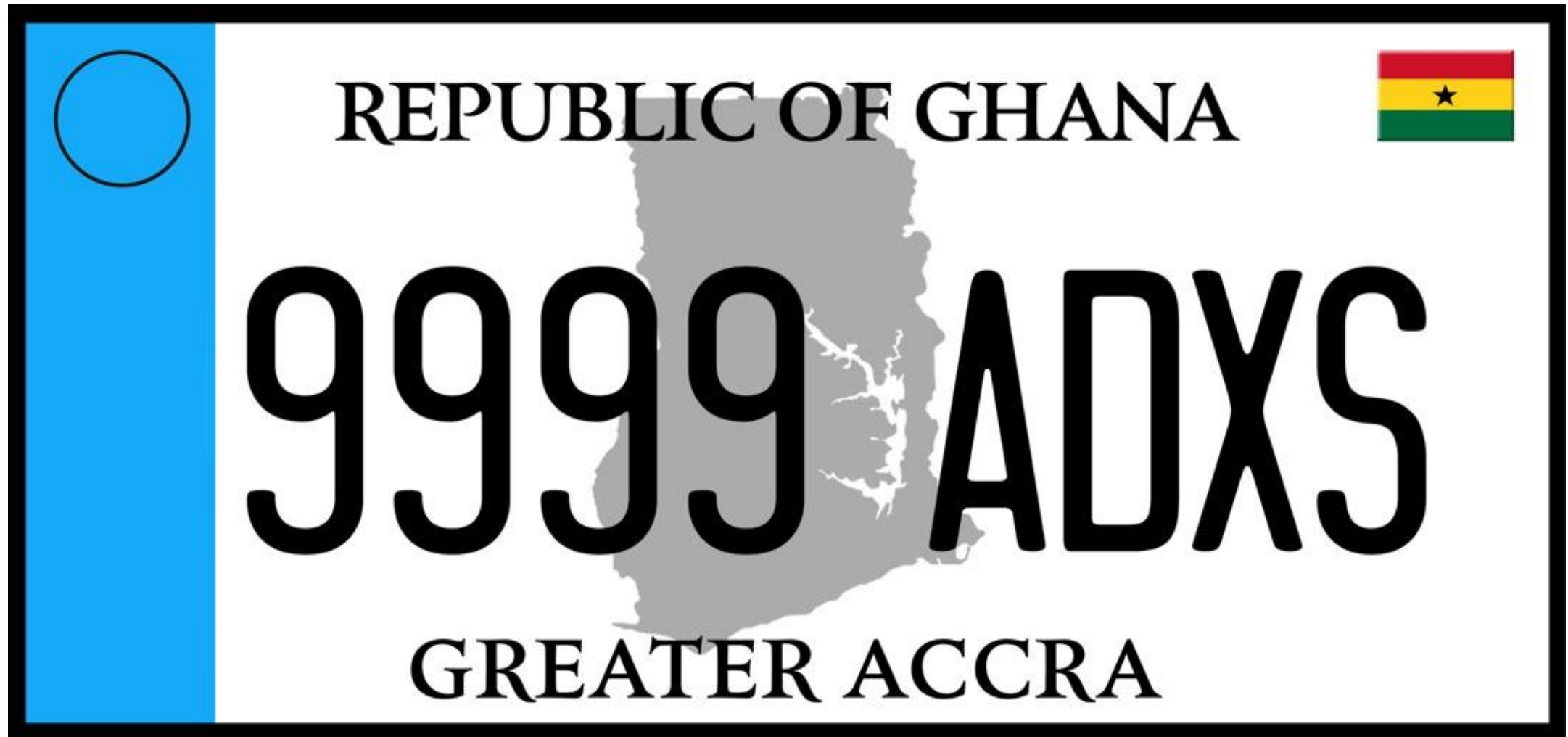


INTERNATIONAL
ORGANISATION

TRAILER REGISTRATION NUMBER PLATE



EQUIPMENT REGISTRATION NUMBER PLATE



PRIVATE MOTORCYCLE REGISTRATION NUMBER PLATE



PRIVATE TRICYCLES, QUADRICYCLES AND QUAD BIKES REGISTRATION NUMBER PLATE



COMMERCIAL MOTORCYCLE REGISTRATION NUMBER PLATE



COMMERCIAL TRICYCLES, QUADRICYCLES AND QUAD BIKES REGISTRATION NUMBER PLATE



DV NUMBER PLATE



TEMPORARY REGISTRATION NUMBER STICKER



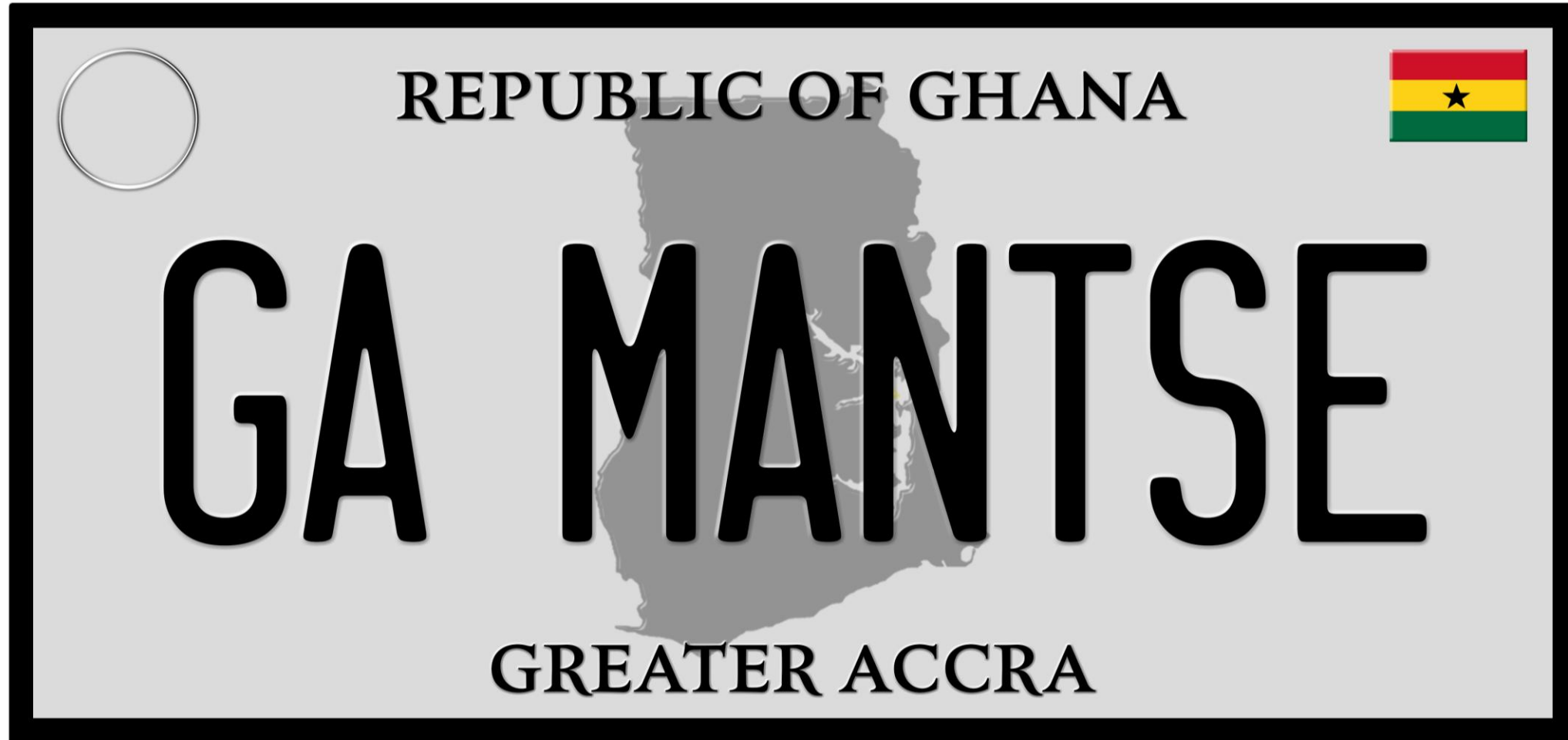
Valid for 6 months after which the owner must register the vehicle.

CEREMONIAL PLATE



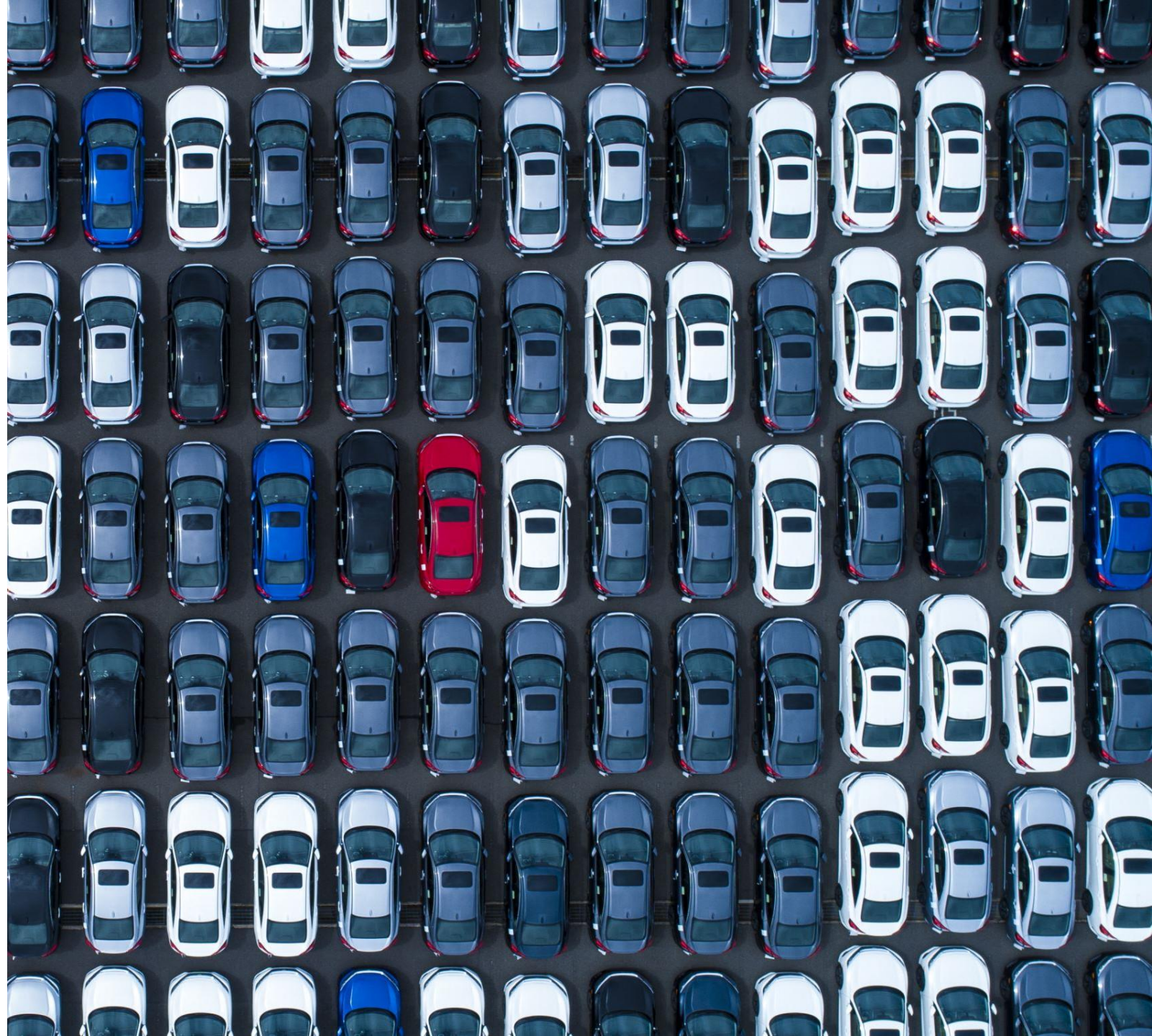
Valid for 7 days

PARTICULAR IDENTIFICATION PLATE

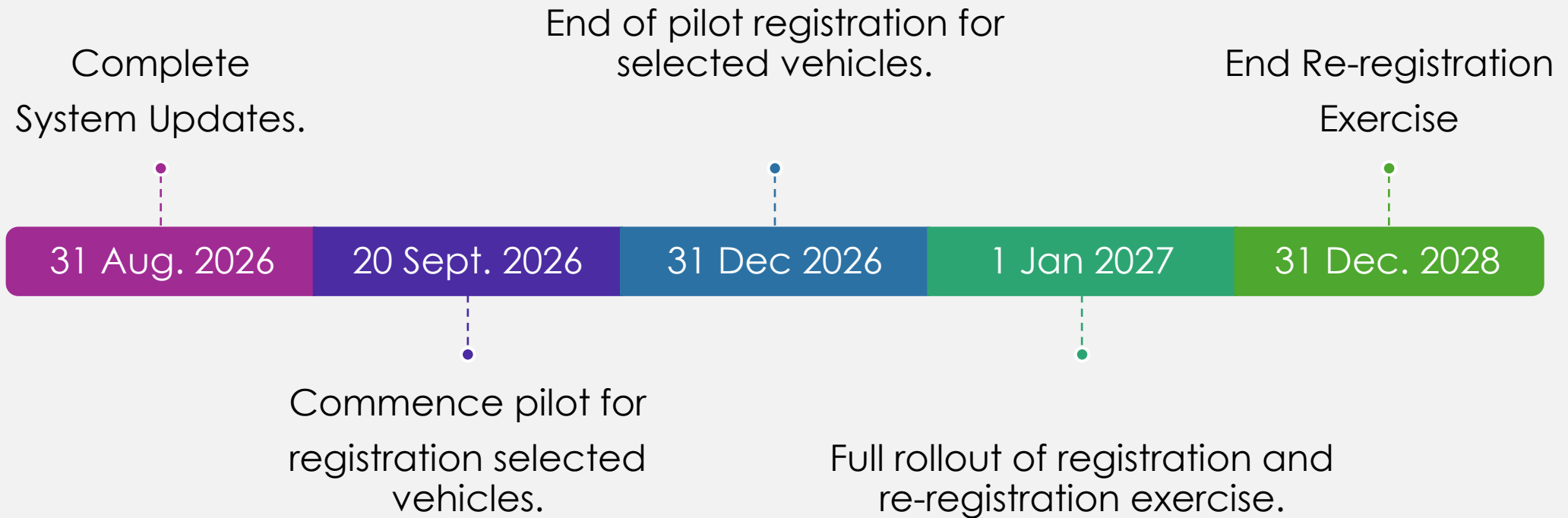


**How Many
Vehicles will Be
Re-registered?**

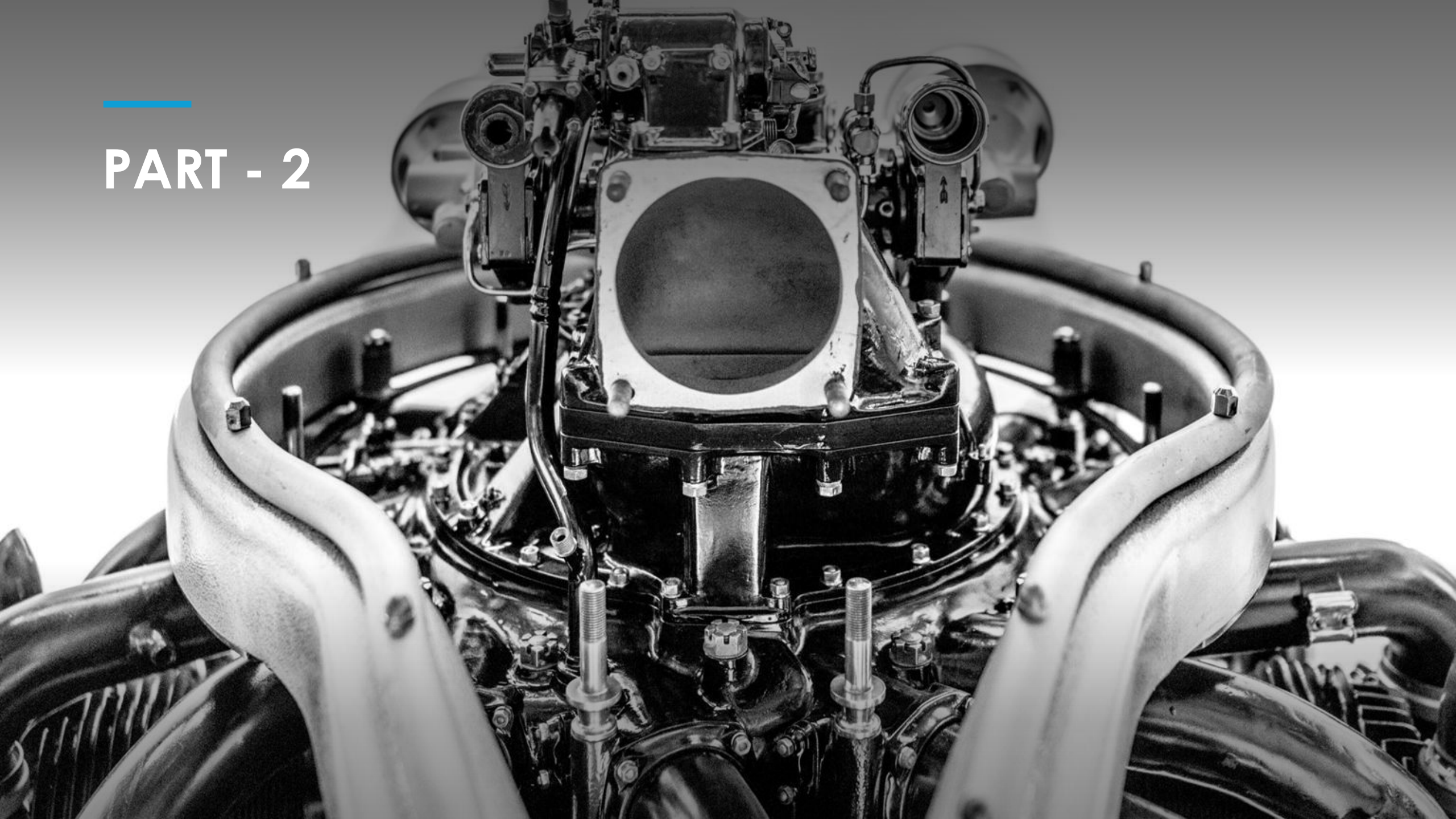
3,782.310



ROLLOUT PLAN



PART - 2



VEHICLE ONBOARDING PROCESS FOR MANUALLY REGISTERED VEHICLES

What You Should Know and Do.



01	What is Vehicle Onboarding?
02	Why Get Your Vehicle Onboarded?
03	What Does DVLA Need From You To Onboard Your Vehicle?
04	What is the Process For Onboarding?
05	Where Can You Get Your Vehicle Onboarded?
06	Do I Have to Pay For Onboarding?
07	What happens if You Don't Onboard Your Vehicle?

WHAT IS VEHICLE ONBOARDING?

- It is a data-cleaning exercise undertaken by the DVLA to verify manually registered vehicles and their owners.
- The aim is to confirm scanned manual vehicle records before transferring them into the Authority's electronic vehicle database.

WHY GET YOUR VEHICLE ONBOARDED?

- When your vehicle is onboarded, you can be confident that:
 1. All vehicle taxes have been paid,
 2. Your vehicle is properly registered with the DVLA,
 3. You hold legal title to the vehicle,
 4. Real-time vehicle information can be shared with the Police in the event of theft,
 5. Traffic law enforcement will be strengthened to improve safety and security,

WHY GET YOUR VEHICLE ONBOARDED?

- 6. Unauthorised changes of ownership are prevented, and
- 7. Your vehicle cannot be cloned by criminals.

WHY GET YOUR VEHICLE ONBOARDED?

8. Cloned vehicles will be identified to prevent crime and revenue leakage.



WHAT DOES DVLA NEED FROM YOU TO ONBOARD YOUR VEHICLE?

- To onboard your vehicle, you must:
 1. Bring the **vehicle, registration documents**, and **Customs Bill of Entry** to any DVLA office or designated inspection point.
 2. The vehicle owner must be present at the onboarding location with an ECOWAS Card (**Ghana Card**) for biodata verification.
 3. Pay for biodata verification.

What is the Process For Onboarding?

VEHICLE ONBOARDING PROCESS (FOR MANUALLY REGISTERED VEHICLES)



Visit any **DVLA Office** or **Designated Point** to Get Your Vehicle Onboarded



For further enquirers:
Please contact DVLA on 020 320 0112
Email: info@dvla.gov.gh

DVLA: Your Safety, Our Concern.

WHERE CAN YOU GET YOUR VEHICLE ONBOARDED?

- You can have your vehicle(s) onboarded at:
 1. any DVLA office or
 2. Any place designated for onboarding by DVLA.
 3. Mobile service is available on request to corporate bodies, religious bodies, organised groups, associations, unions, and similar entities, provided they have at least 20 vehicle owners.

WHERE CAN YOU GET YOUR VEHICLE ONBOARDED?

4. In due course, the Authority will announce Private Vehicle Inspection Stations (PVTs) where vehicle owners can have their vehicles onboarded during roadworthy certification or renewal.

-

DO I HAVE TO PAY FOR ONBOARDING?

- No, you are not required to pay for the onboarding process.
- However, you will pay GhC 288.55 for;
 - a. biodata verification,
 - b. Certificate of title, and
 - c. Vehicle Smart Card (VRC).



DO I HAVE TO PAY FOR ONBOARDING?

Note:

- To avoid double payment for the Certificate of Title (CoT) and Vehicle Registration Card (VRC), vehicle owners will pay only GHC 25.00 now for verification.
- The remaining GHC 263.55 will be paid when the new system begins, after which the CoT and VRC will be issued with the new registration number.

NOTIFICATION FOR AMENDMENT

This document must be surrendered (and the appropriate fee paid) to DVLA before any amendment described herein can be registered.

TAKE THIS CHANGE NOTICE TO THE DVLA OFFICE WHERE THE VEHICLE WAS INITIALLY REGISTERED.
FOR HELP CONTACT TEL: 0302-777460 OR DVLA, P. O. BOX KIA 9379, AIRPORT ACCRA.

A) CHANGE OF USE OR MODIFICATIONS TO THE VEHICLE

Part Name (color, body, engine, etc)	Old No. (or Description)	New No. (or description)

SIGNATURE OF OWNER: DATE:.....

B) CHANGE OF ADDRESS

NEW ADDRESS OF REGISTERED OWNER(S)

FULL NAME OF OWNER(S)	
POSTAL ADDRESS:	
RESIDENTIAL / LOCATION ADDRESS:	
Tel. No(s).	Fax No
E-mail Address:	

SIGNATURE OF OWNER: DATE:.....

OFFICIAL USE ONLY

Vehicle Verification	Records verification

CERTIFICATE OF TITLE OF MOTOR VEHICLE

CONTROL NUMBER
RRN/ 0931133



VEHICLE REGISTRATION NO.

DRIVER & VEHICLE LICENSING AUTHORITY (DVLA)

STORE THIS DOCUMENT IN A SAFE PLACE. (AWAY FROM THE VEHICLE)
ANY ALTERATIONS, ERASURES, OR MUTILATIONS VOIDS THIS TITLE.

NOTICE

- 1) The person, firm or corporation named on this document is the lawful owner of the vehicle described here in the title (See reverse side).
- 2) It is required by law to notify the Driver and Vehicle Licensing Authority (DVLA) within fourteen (14) days from the date one sells or otherwise dispose of a vehicle (as well as change address).
- 3) Within this document is provided a form for use in reporting the sale or transfer of ownership and other changes to the Licensing Authority, and completing it constitutes application for transfer of ownership (Title). The record is not permanently transferred out of your name until the Licensing Authority receives a completed application for transfer of ownership and payment of appropriate fees from you (or the new owner).
- 4) When the form is properly completed and the information is recorded by DVLA (see WARNING below), liability for parking, traffic violation, criminal offense or civil litigation resulting from operation after the date of sale becomes the responsibility of the subsequent purchaser(s).
- 5) WARNING: you must provide accurate, legible information: vehicle description, your name/address, buyer's name/address, and date of sale or lease return, or the information SHALL NOT be accepted, updated or retained!
- 6) TO REMOVE YOUR NAME FROM DVLA'S RECORDS, THE NEW OWNER MUST APPLY FOR TRANSFER USING THE ENDORSED APPLICATION FORM. SEE REVERSE SIDE.
- 7) DO NOT SIGN OR COMPLETE UNTIL SOLD OR WHEN REQUIRED - SEE REVERSE SIDE.

MAKE	MODEL NAME OR No.	SUB-MODEL No.
BODY TYPE / STYLE	COLOR	USE

ADDITIONAL VEHICLE DETAILS

YEAR MFTD	CUSTOMS DECLARATION #	COUNTRY OF ORIGIN	STATUS OF CONDITION	
FUEL TYPE	ENGINE No.	No. OF CYL.	CC.	HP
No. OF AXLES:	GROSS VEH. WT.(kg)	NET VEH. WT (kg)	PERMISSIBLE LOADING CAPACITY (kg)	
No. OF DOORS	LENGTH (cm)	WIDTH(cm)	SITTING POSITIONS (INCL. DRIVER)	No. OF PASSENGERS

VEH. CLASSIFICATION CODE

PARTICULARS OF REGISTERED OWNER(S)

FULL NAME OF OWNER(S):	
POSTAL ADDRESS:	
RESIDENTIAL/LOCATION ADDRESS	
TEL. NO.(s):	FAX NO.:
E-MAIL ADDRESS:	

THIS IS TO CERTIFY THAT THE APPLICATION TO REGISTER THE VEHICLE DESCRIBED HEREIN HAS BEEN DUPLY FILED. PURSUANT TO THE PROVISIONS OF THE ROAD TRAFFIC REGULATIONS OF GHANA

NAME OF BUYER	ODOMETER:
POSTAL ADDRESS	EFFECTIVE DATE: Day Month Year
RESIDENTIAL / LOCATION ADDRESS	SIGNATURE OF OWNER:
E-MAIL ADDRESS:	

TO BE COMPLETED BY THE BUYER (NEW OWNER)

BUYER is responsible to notify the Licensing Authority (DVLA), by means of this portion of the document, within fourteen (14) days of a change of ownership of the vehicle

I/we hereby make application for transfer of the vehicle described herein

This document must be surrendered along with the vehicle and the appropriate fee paid to DVLA before any transfer of ownership of the vehicle or amendment described herein can be registered.
- A credible ID shall be required for processing.

RECENT PHOTOGRAPH OF BUYER	TEL No.:
	EFFECTIVE DATE: Day Month Year
	SIGNATURE OF BUYER:

OFFICIAL USE ONLY

Vehicle verification	Records verification

Vehicle Registration Card (VRC)



What happens if You Don't Onboard Your Vehicle?

- If you don't onboard your vehicle, you:
 1. cannot obtain your Certificate of Title and Vehicle Registration Card.
 2. cannot register your vehicle when the mandatory new vehicle registration and re-registration exercise commence.
 3. Would violate the road traffic laws and get sanctioned.



Note:

- All manually registered vehicles must be onboarded, but the DVLA has not yet announced a fixed deadline. Vehicle owners are therefore encouraged to complete the process at their convenience.

THANK YOU

