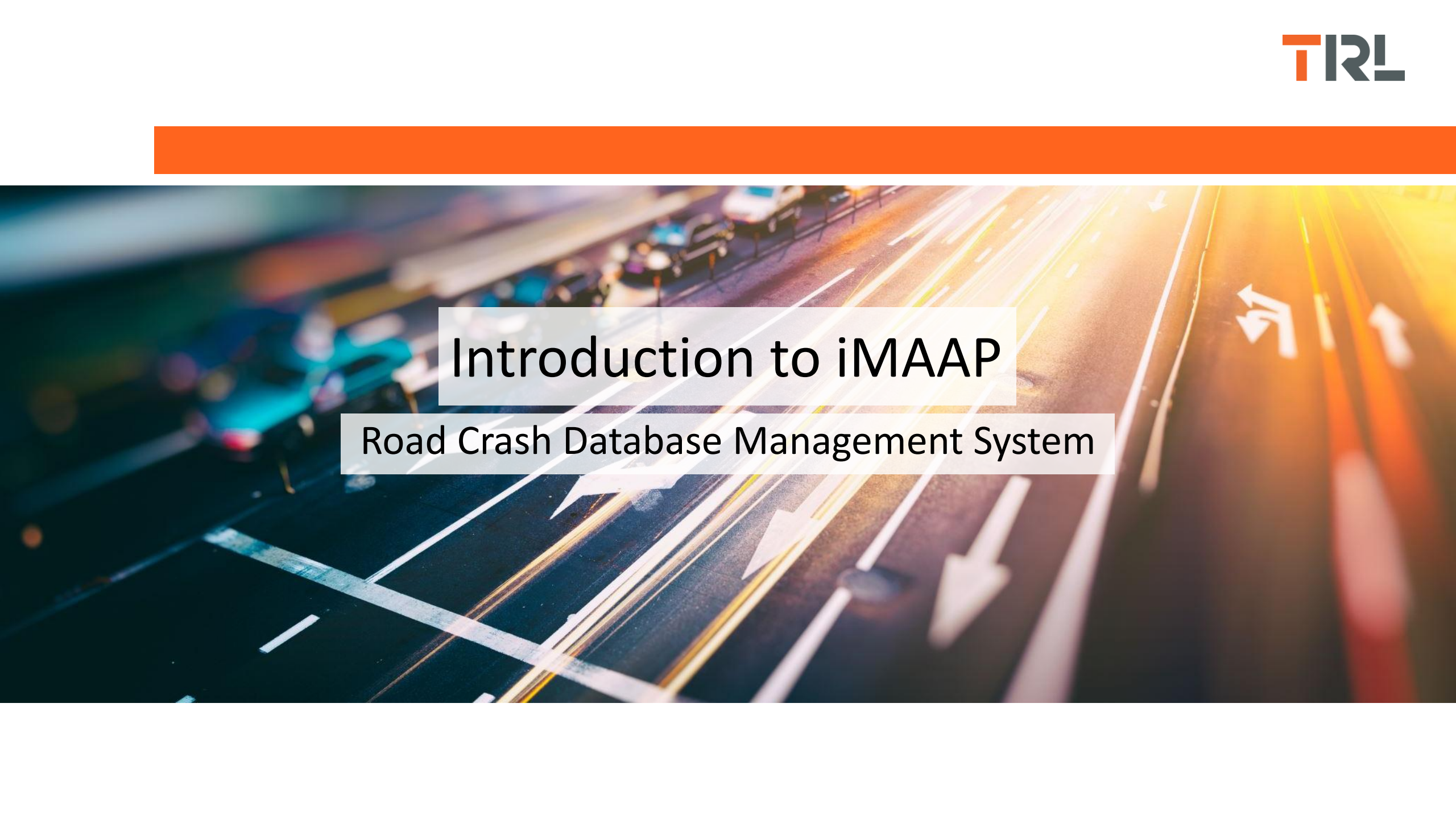




iMAAP Data Collection Manual

An operation manual of iMAAP mobile app and web version

For Roads and Highways Department, Bangladesh

The background of the slide is a photograph of a multi-lane highway at night. The image is taken from an elevated perspective, looking down the road. Long, bright white and yellow light trails from vehicles are visible, indicating motion. White lane markings and directional arrows are painted on the road surface. The overall color palette is dominated by the warm tones of the light trails and the cool blues and greys of the night sky and road.

Introduction to iMAAP

Road Crash Database Management System

Introduction to iMAAP Crash Database Management System

iMAAP is the new generation MAAP – a software product TRL has been supplying both in the UK and worldwide since the 1980's and the most widely used off-the-shelf crash data system across the world.



MAAP has undergone a complete review, and the result is a brand-new version which provides a better fit with today's technological environments, offering additional capabilities required by the professionals who use it.

Features of iMAAP Crash Database Management System



High-performance,
secure cloud-based
application
supported by road
safety specialists



True multi-user,
multi-department
role-based access
for federal /
national level
deployments



Easy linkage to
other data sources
such as driver
licence, vehicle
registration, road
information, asset
management and
health injury
databases

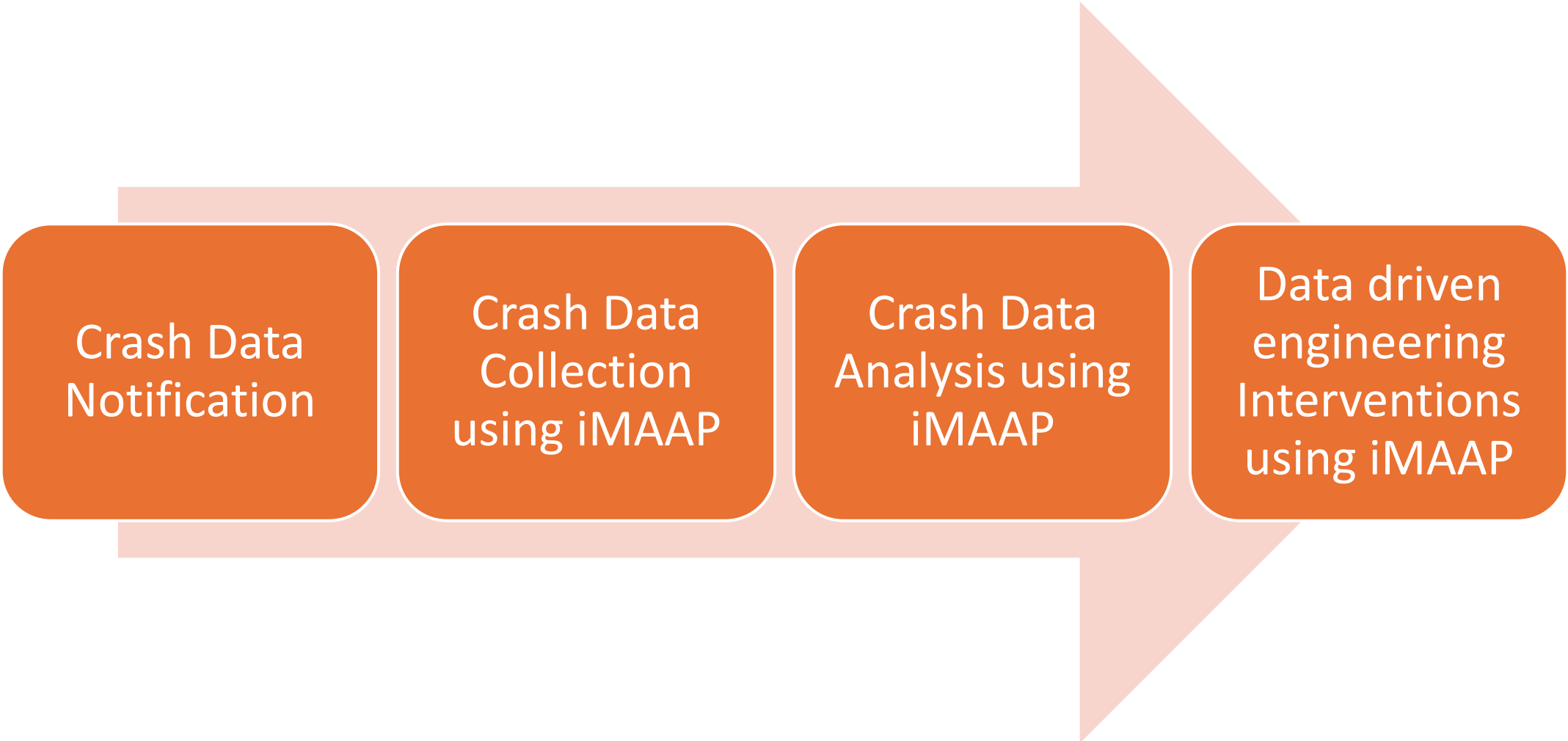


Linkage to a variety
of database
platforms, such as
SQL server, SQL
server express,
postgresql and
oracle



GIS functionality
which works
directly with a
range of
proprietary and
internet mapping
formats

Workflow of iMAAP from data collection to decision making



Crash Data
Notification

Crash Data
Collection
using iMAAP

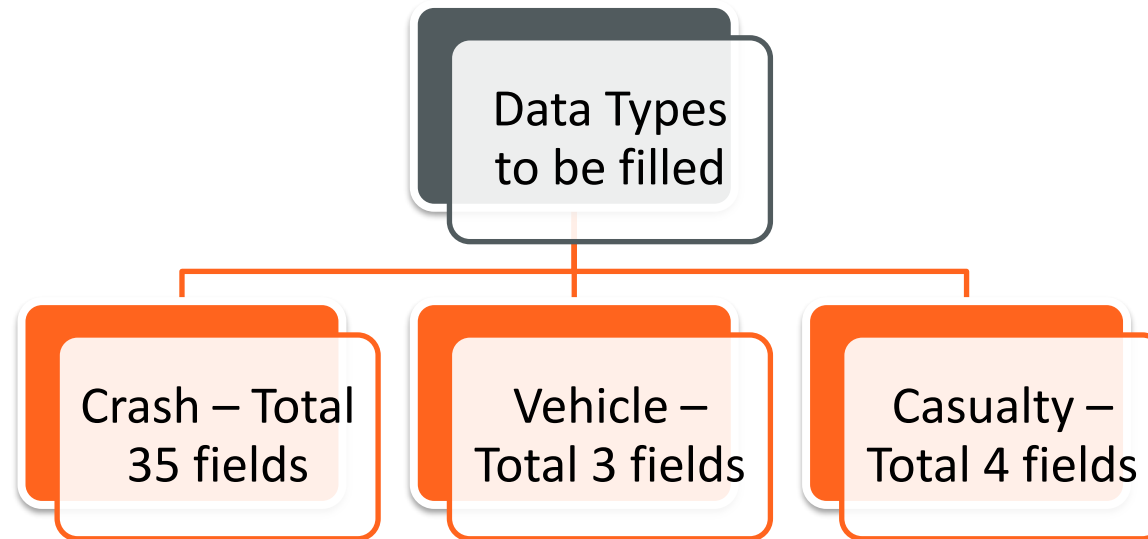
Crash Data
Analysis using
iMAAP

Data driven
engineering
Interventions
using iMAAP



Data Fields – Brief Summary

Data fields of iMAAP- Brief Summary



- Among the 35 Crash fields, Crash No. is Automatically filled up by the system itself.
- 2 crash fields are not mandatory to fill up:
 1. BRTA Crash No.
 2. FIR No.

Data fields of iMAAP- Crash - Brief Summary

1. Source of Crash Information
 1. a. Description Of Source
2. Crash No. (*Automatically filled up by the system itself*)
3. BRTA Crash No. (*Not Mandatory*)
4. FIR No. (*Not Mandatory*)
5. No. of Vehicles Involved
6. No. of Casualties
7. Time of Occurrence
8. Date of Occurrence
9. Longitude-Latitude
10. Road Classification
11. Road Number
12. Road Name
13. Road Chainage
14. Road Type
15. Road Surface Type
16. Construction/ work zone
17. RHD Zone
18. RHD Circle
19. RHD Division
20. RHD Sub-Division
21. Administrative Division Name
22. Administrative District Name
23. Upazilla Name
24. Police Station Name

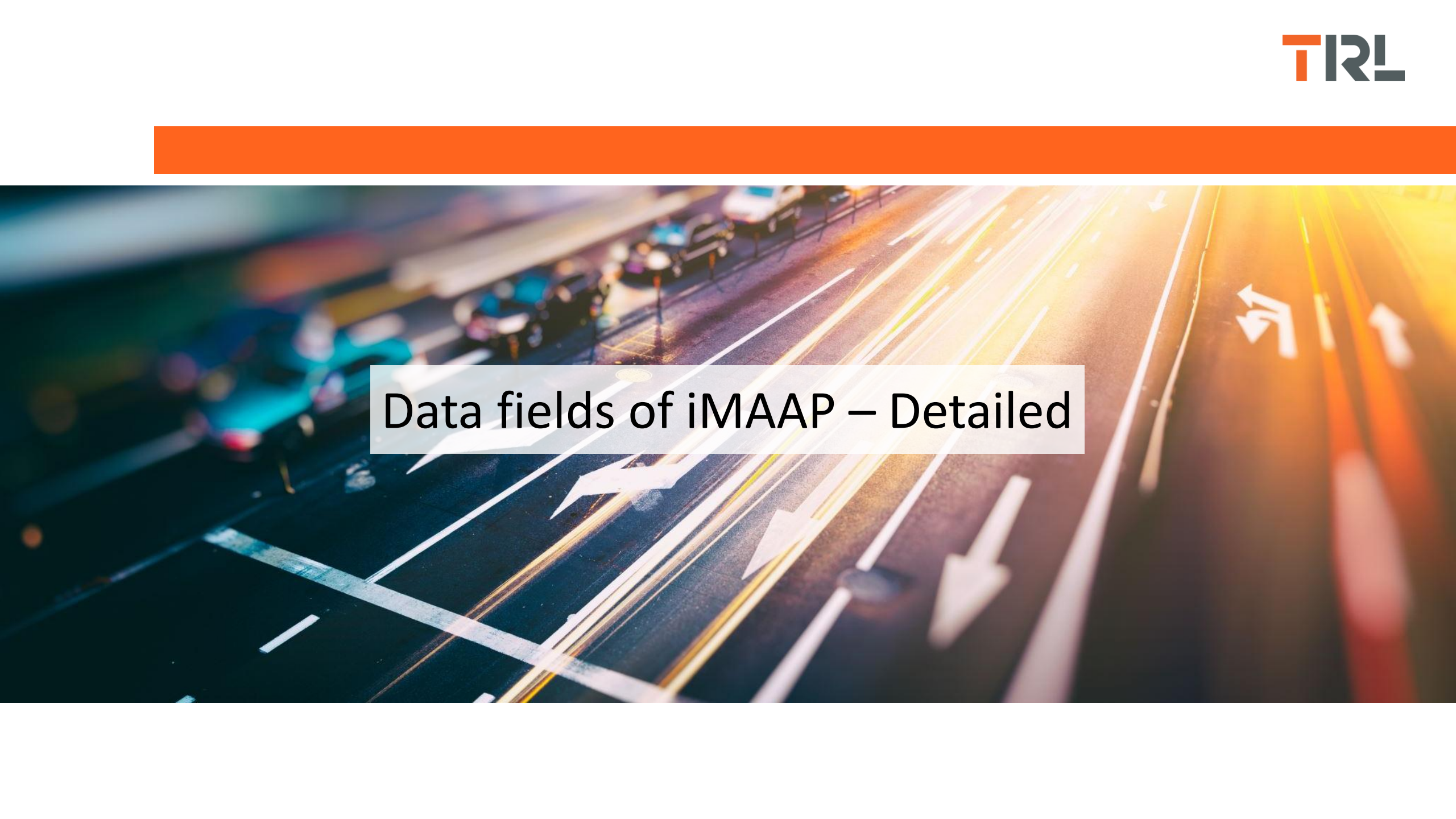
Data fields of iMAAP- Crash - Brief Summary

- 25. Location Type
- 26. Location Environment
- 27. Location Description
- 28. Collision Type
- 29. Accident Severity
- 30. Number of Fatalities
- 31. Number of Seriously Injured
- 32. Number of Slightly Injured
- 33. Description of the crash
- 34. Weather
- 35. Road Surface Condition

Data fields of iMAAP – Vehicle & Casualty- Brief Summary

1. Vehicle Reference No.
2. Vehicle Type
3. Other Info

1. Casualty Reference No.
2. Vehicle Reference No.
3. Casualty Class
4. Casualty Severity



Data fields of iMAAP – Detailed

iMAAP Data Collection



Data fields of iMAAP – Detailed

Field Name	Field Type	Options	Source / Instructions
Source of Crash Info.	Drop-down Selection	RHD Field Staff	RHD Field Staff
		Police	Police office/ Police stations
		999	999 team
		Public Reports	News from general people
		Newspaper	Newspapers, online news portals
		Social media	Facebook/ YouTube / X/ Instagram etc.
		Others	Other sources apart from the sources mentioned above.
Description Of Source	Text	-	Describe the crash news source here.
Crash No.	Numeric	-	Automatically filled up by the software itself. No need to fill up.
BRTA Crash No.	Numeric	-	Extract from BRTA Database, if available. (Not mandatory)
FIR No.	Numeric	-	Police FIR No. if FIR is filed, if available. (Not mandatory)
No. of Vehicles Involved	Numeric	-	Total number of vehicles involved in the crash.
No. of Casualties	Numeric	-	The summation (Total number) of Deaths, Seriously Injured and Slightly Injured people.
Time of Occurrence	Numeric Time	Time prompt	The time on which the crash had occurred.
Date of Occurrence	Date	Calendar prompt	The date on which the crash had occurred.
Longitude-Latitude	Numeric and Map prompt	-	Either locate using the software map prompt or enter the numerical values of latitude and longitude. Note: On-site presence and location pinpointing from iMAAP map prompt/ Google Maps/ Google Earth/ Open Street Map
Road Classification	Drop-down Selection	National Highway	Select the “Road Classification” of the crash affected road.
		Regional Highway	
		Zilla Highway	
		Local Road	
Road Number	Drop-down Selection	Options will show based upon the road classification selected	Select the “Road Number” of the crash affected road

iMAAP Data Collection



Data fields of iMAAP – Detailed

Field Name	Field Type	Options	Source / Instructions
Road Name	Drop-down Selection	Automatically filled up based on the “Road number” selected earlier.	Automatically filled up based on the “Road number” selected earlier. No need to fill up.
Road Chainage	Numeric	-	Write the “Road Chainage” numerical value of the crash affected location in km (decimal unit). For example: 57.62. Note: Avoid entering any special character (like +) or numerical value in meter.
Road Type	Drop-down Selection	Divided Six Lane with Service Road Divided Six Lane Divided Four Lane with Service Road Divided Four Lane Two Lane with Paved Shoulder Two Lane Intermediate Lane Single Lane Service Road NA	Select the total number of lanes present on both directions of the crash affected road.
Road Surface Type	Drop-down Selection	Bituminous Concrete Metal Gravel	Write the top-most layer of the road surface.
Construction/Work Zone	Drop-down Selection	Yes No	Select If there were any road construction works ongoing during the crash event. Select If there were no ongoing road construction works during the crash event.

iMAAP Data Collection



Data fields of iMAAP – Detailed

Field Name	Field Type	Options	Source / Instructions
RHD Zone	Drop-down Selection	Barishal Chattogram Cumilla Dhaka Gopalganj Khulna Mymensingh Rajshahi Rangpur Sylhet	Select the “RHD Zone” under which the crash affected road is situated.
RHD Circle	Drop-down Selection	Options will show based upon the RHD Zone selected	Select the “RHD Circle” under which the crash affected road is situated.
RHD Division	Drop-down Selection	Options will show based upon the RHD Circle selected	Select the “RHD Division” under which the crash affected road is situated.
RHD Sub-Division	Drop-down Selection	Options will show based upon the RHD Division selected	Select the “RHD Sub-Division” under which the crash affected road is situated.
Administrative Division Name	Drop-down Selection	Barisal Chittagong Dhaka Khulna Mymensingh Rajshahi Rangpur Sylhet	Select the “Administrative Division” under which the crash affected road is situated.

iMAAP Data Collection



Data fields of iMAAP – Detailed

Field Name	Field Type	Options	Source / Instructions
Administrative District Name	Drop-down Selection	Options will show based upon the Administrative Division selected	Select the “Administrative District” under which the crash affected road is situated.
Upazilla Name	Drop-down Selection	Options will show based upon the Administrative District selected	Select the “Upazilla Name” under which the crash affected road is situated.
Police Station Name	Drop-down Selection	-	Select the police station under which the crash affected road is situated. If the exact police station name can’t be found on the dropdown selections, select “other” option and write the exact police station name.
Location Type	Drop-down Selection	T Junction Y Junction U Turn Cross-Road Major Roundabout (3-legged) Major Roundabout (4-legged) Mini Roundabout Mid-block straight Mid-block curve Bridge Vehicular Overpass (VOP) Vehicular Underpass (VUP) Staggered Junction Slip Road Intersection Toll Plaza Other	Select the “Location Type” under which the crash affected road is situated.

iMAAP Data Collection



Data fields of iMAAP – Detailed

Field Name	Field Type	Options	Source / Instructions
Location Environment	Drop-down Selection	Rural	Select the “Location Environment” under which the crash affected road is situated. Note: If any kind of educational institute is present at close proximity of the crash event location, you must select “School Zone” option.
		Urban	
		Semi-Urban	
		School Zone	
Location Description	Text	-	Write about the crash location as elaborately as possible including nearby prominent landmark (For example: Bazar, Educational Institutions, Factories etc.), road furniture, road environment, road encroachment etc.
Collision type	Drop-down Selection	Head on	Select the “Collision Type” of the crash event. Select “Others” If no collision type option is applicable.
		Rear end	
		Run-off	
		Hit Pedestrian	
		Right Angle	
		Hit Object on the road	
		Hit Object off the road	
		Side swipe	
		Overtuned	
		Others	
Accident Severity	Drop-down Selection	Fatal	Select the highest severity of the crash happened. Fatal example: If at least one person had died because of the crash, select “Fatal”. Serious Injury example: If no one had died and atleast one person was seriously injured, select “Serious Injury”. Slight Injury example: If no one had died and atleast one person was slightly injured, select “Slight Injury”. Property Damage Only example: If no one had died and atleast one person was slightly injured, select “Property Damage Only”.
		Serious Injury	
		Slight Injury	
		Property Damage Only	

iMAAP Data Collection



Data fields of iMAAP – Detailed

Field Name	Field Type	Options	Source / Instructions
Number of Fatalities	Numeric	-	Write the total number of deaths because of the crash.
Number of Seriously Injured	Numeric	-	Write the total number of seriously injured because of the crash.
Number of Slightly Injured	Numeric	-	Write the total number of slightly injured because of the crash.
Description of the crash	Text	-	Describe details of the crash. For example: why it happened (the causes of the crash), how it happened, what happened after the crash etc.
Weather	Drop-down Selection	Fair	Select the “Weather” of the crash affected road when it occurred.
		Rain	
		Strong Wind	
		Fog	
		Storm	
Road Surface Condition	Drop-down Selection	Wet	Select the “Road Surface condition” of the crash affected road when it occurred.
		Dry	
		Muddy	
		Flooded	
		Salty	
		Oil Spill	

iMAAP Data Collection



Data fields of iMAAP – Vehicles - Detailed

Field Name	Field Type	Options	Source / Instructions
Vehicle Reference No.	Numeric	-	Assign vehicle number serially (1,2,3,4,5 etc.) to the vehicles involved in the crash.
Vehicle Type	Drop-down Selection	Heavy/Medium Truck Light/ Pickup Truck Large Bus Minibus Microbus Car Motorcycle CNG Auto-Rickshaw Leguna Easybike Electric Rickshaw Manual Rickshaw Bicycle Rickshaw Van (Electric /Manual) Nosimon Korimon Train Other (Please Specify)	Select the type of the vehicle.
Other Info	Text	-	Note: Vehicle Operator Company (For Example: Z Paribahan), Vehicle Model Name (For Example: Toyota Corolla), Vehicle Manufacturing Year etc. can be written here if available.

Data fields of iMAAP – Casualty - Detailed

Field Name	Field Type	Options	Source / Instructions
Casualty Reference No.	Numeric	-	Assign casualty number serially (1,2,3,4,5 etc.) to the people who had died or was seriously injured or was slightly injured in the crash.
Vehicle Reference No.	Numeric	-	Assign the casualty to the involved vehicle. On this field, you have to assign on which vehicle the casualty was in. For example: If a Car driver got seriously injured in a crash and we assign the car as vehicle reference “1”. So, the car driver will get casualty reference no. as “1” and vehicle reference no. here will be inputted as “1” because the driver was in the Car (vehicle reference no. “1”). For more clarification, please read the case scenarios present in the following pages.
Casualty Class	Drop-down Selection	Pedestrian Driver Passenger Motorcycle driver Motorcycle passenger Road Worker Traffic Police / Controller Cyclist Others (Please specify)	Select the “Casualty class” of the specific casualty.
Casualty Severity	Drop-down Selection	Fatal Serious Injury Slight Injury	Select the “Casualty severity” of the specific casualty.

The background of the slide is a photograph of a multi-lane highway at night. The image is taken from an elevated perspective, looking down the road. Long, bright white and yellow light trails from vehicles are visible, indicating motion. White lane markings and directional arrows are painted on the road surface. A semi-transparent white rectangular box is centered over the middle of the image, containing the title text.

Road Crash Case Scenarios

Case Scenario – 1 (Crash)

A Bus called "Z Paribahan" collided head on with a 5 Tonne Truck. The Bus Driver was killed, and the Truck Driver was seriously injured.

As at least one person was killed because of the crash, this will be defined as a “Fatal” crash.

Collision Type	: Head On
No. of Vehicles Involved	: 2
No. of Casualties	: 2
Accident Severity	: Fatal
Number of Fatalities	: 1
Number of Seriously Injured	: 1
Number of Slightly Injured	: 0



Case Scenario – 1 (Vehicle)

A Bus called "Z Paribahan" collided head on with a 5 Tonne Truck. The Bus Driver was killed, and the Truck Driver was seriously injured.

For 1st Vehicle

Vehicle Reference No. : 1

Vehicle Type : Large Bus

Other Info : Z Paribahan Bus

For 2nd Vehicle

Vehicle Reference No. : 2

Vehicle Type : Heavy/ Medium Truck

Other Info : 5 Tonne Truck



Case Scenario – 1 (Casualty)

A Bus called "Z Paribahan" collided head on with a 5 Tonne Truck. The Bus Driver was killed, and the Truck Driver was seriously injured.

For 1st Casualty

Casualty Reference No.	: 1
Vehicle Reference No.	: 1
Casualty Class	: Driver
Casualty Severity	: Fatal

For 2nd Casualty

Casualty Reference No.	: 2
Vehicle Reference No.	: 2
Casualty Class	: Driver
Casualty Severity	: Seriously Injured



Case Scenario – 2 (Crash)

A Pickup Truck (Suzuki Brand) ran over two pedestrians. One of them was dead on the spot and other one was slightly injured.

As at least one person was killed because of the crash, this will be defined as a “Fatal” crash.

Collision Type	: Hit Pedestrian
No. of Vehicles Involved	: 1
No. of Casualties	: 2
Accident Severity	: Fatal
Number of Fatalities	: 1
Number of Seriously Injured	: 0
Number of Slightly Injured	: 1



Case Scenario – 2 (Vehicle)

A Pickup Truck (Suzuki Brand) ran over two pedestrians. One of them was dead on the spot and other one was slightly injured.

For 1st Vehicle

Vehicle Reference No.	: 1
Vehicle Type	: Light/ Pickup Truck
Other Info	: Suzuki Pickup Truck



Case Scenario – 2 (Casualty)

A Pickup Truck (Suzuki Brand) ran over two pedestrians. One of them was dead on the spot and other one was slightly injured.

In case of Hit pedestrian crash, Vehicle Reference No. will be the responsible vehicle's.

As the pickup truck was responsible for the death and injury of the pedestrians in this crash, the vehicle reference no. will be the pickup truck's (in this case, "1").

For 1st Casualty

Casualty Reference No.	: 1
Vehicle Reference No.	: 1
Casualty Class	: Pedestrian
Casualty Severity	: Fatal

For 2nd Casualty

Casualty Reference No.	: 2
Vehicle Reference No.	: 1
Casualty Class	: Pedestrian
Casualty Severity	: Slightly Injured

A long-exposure photograph of a multi-lane highway at night. The image shows light trails from cars moving along the road, with white lines marking the lanes. The scene is illuminated by streetlights, creating a warm, orange glow. A semi-transparent white box is overlaid on the center of the image, containing the text 'Data Collection on Mobile Device'.

Data Collection on Mobile Device

How to use iMAAP on Phone/ Tablet/ Mobile Device – Step 1: Logging in iMAAP

1. Contact RHD Road Safety Division, Technical Services Wing for iMAAP Username & Password (ID Credentials).
Note: The ID Credentials are position specific, not name specific.
2. After receiving the ID Credentials, install the “iMAAP” mobile application from the Google Play Store (Android) or the Apple App Store (iOS).
3. After opening the app, write “RHD-IMAAP” in the Registration key field (needed only once after installing).
4. Enter your ID credentials (The Username & Password received).

Username: *(Write the username of your own iMAAP account)*

Password: *(Write the password of your own iMAAP account)*

iMAAP Data Collection



How to use iMAAP on Phone/ Tablet/ Mobile Device – Step 1: Logging in iMAAP

The registration screen has a dark background. At the top, the word "Registration" is in white. Below it, "Registration Key" is written in a smaller font. A text input field with the placeholder "Enter details" is present. At the bottom, there are two buttons: "CANCEL" and "REGISTER". The iMAAP logo is at the very bottom.

A dark-themed input field labeled "Registration Key" containing the text "RHD-IMAAP".

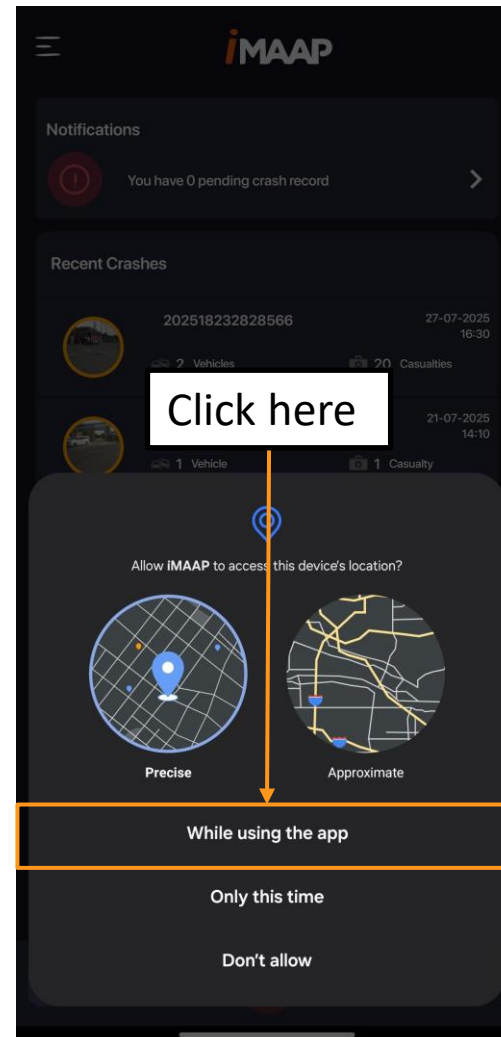
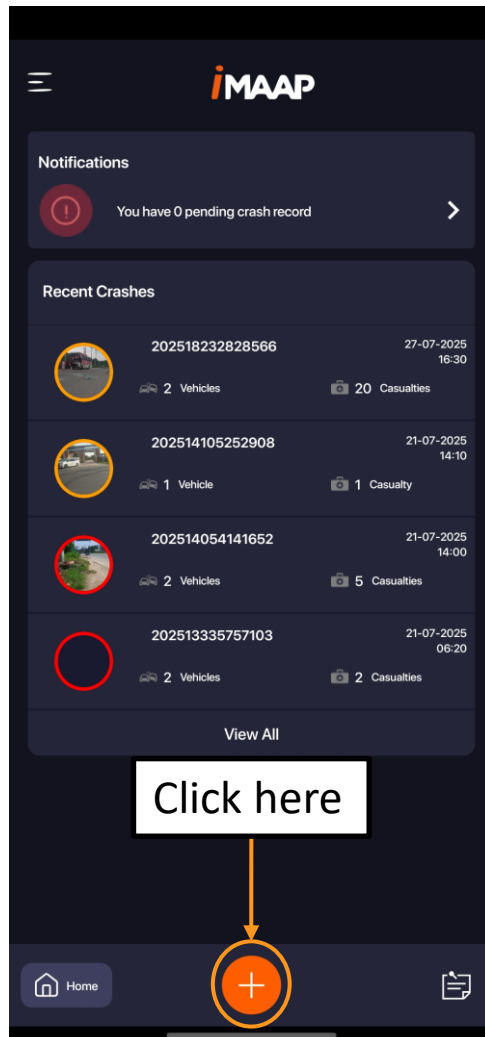
Note: Registration key is required only while logging in for the first time after installing the iMAAP mobile app.

Enter your
Username
and Password
here

The login screen features a cityscape background. At the top, it shows "TRL Software" and the "iMAAP" logo. There are two input fields: "Username" with the placeholder "enter your username" and "Password" with the placeholder "enter your password" and an eye icon for toggling visibility. A "Forgot Your Password?" link is below the password field. An orange "Login" button is at the bottom. A copyright notice "© 2025 TRL Software and its licensors. All rights reserved." is at the very bottom.

iMAAP Data Collection

How to use iMAAP on Phone/ Tablet/ Mobile Device – Step 2: Start Crash Input

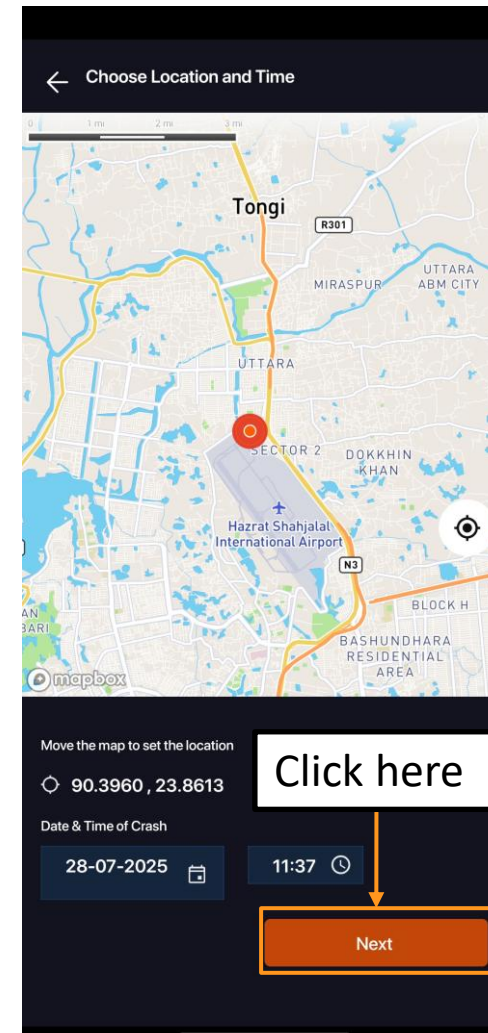


1. To start the data entry process, press the orange “+” button on the bottom of the home screen.
2. Allow the location access permission. Select “Precise” for better Georeferencing.

iMAAP Data Collection

How to use iMAAP on Phone/ Tablet/ Mobile Device – Step 3: Input Location and Crash Details

3. Enter exact location of crash (by utilizing the map module through dragging), crash occurrence date & time. Fill-up the “Crash” details.



Choose Location and Time

0 1 mi 2 mi 3 mi

Tongi

R301

MIRASPUR

UTTARA ABM CITY

UTTARA

SECTOR 2

DOKKHIN KHAN

Hazrat Shahjalal International Airport

N3

BLOCK H

BASHUNDHARA RESIDENTIAL AREA

mapbox

Move the map to set the location

90.3960, 23.8613

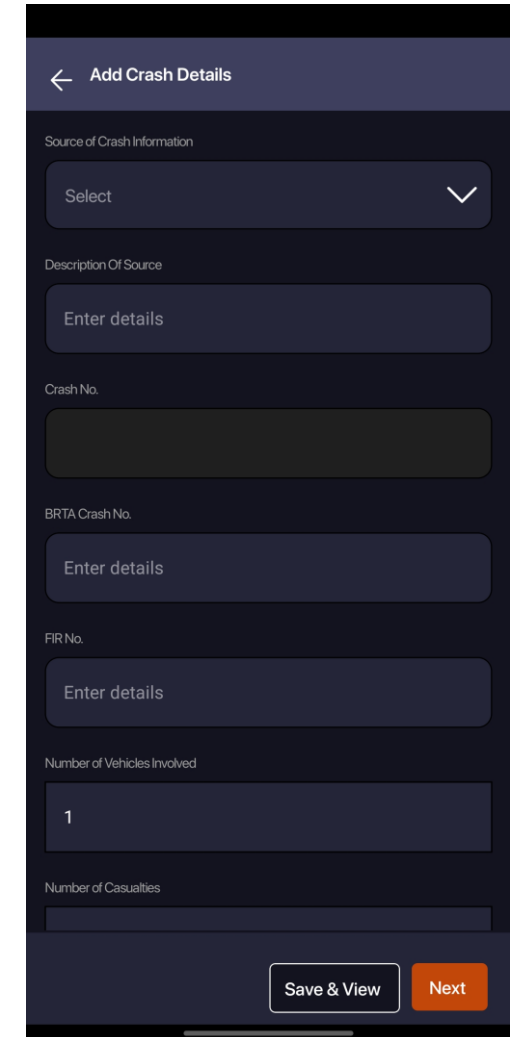
Date & Time of Crash

28-07-2025

11:37

Click here

Next



Add Crash Details

Source of Crash Information

Select

Description Of Source

Enter details

Crash No.

BRTA Crash No.

FIR No.

Number of Vehicles Involved

1

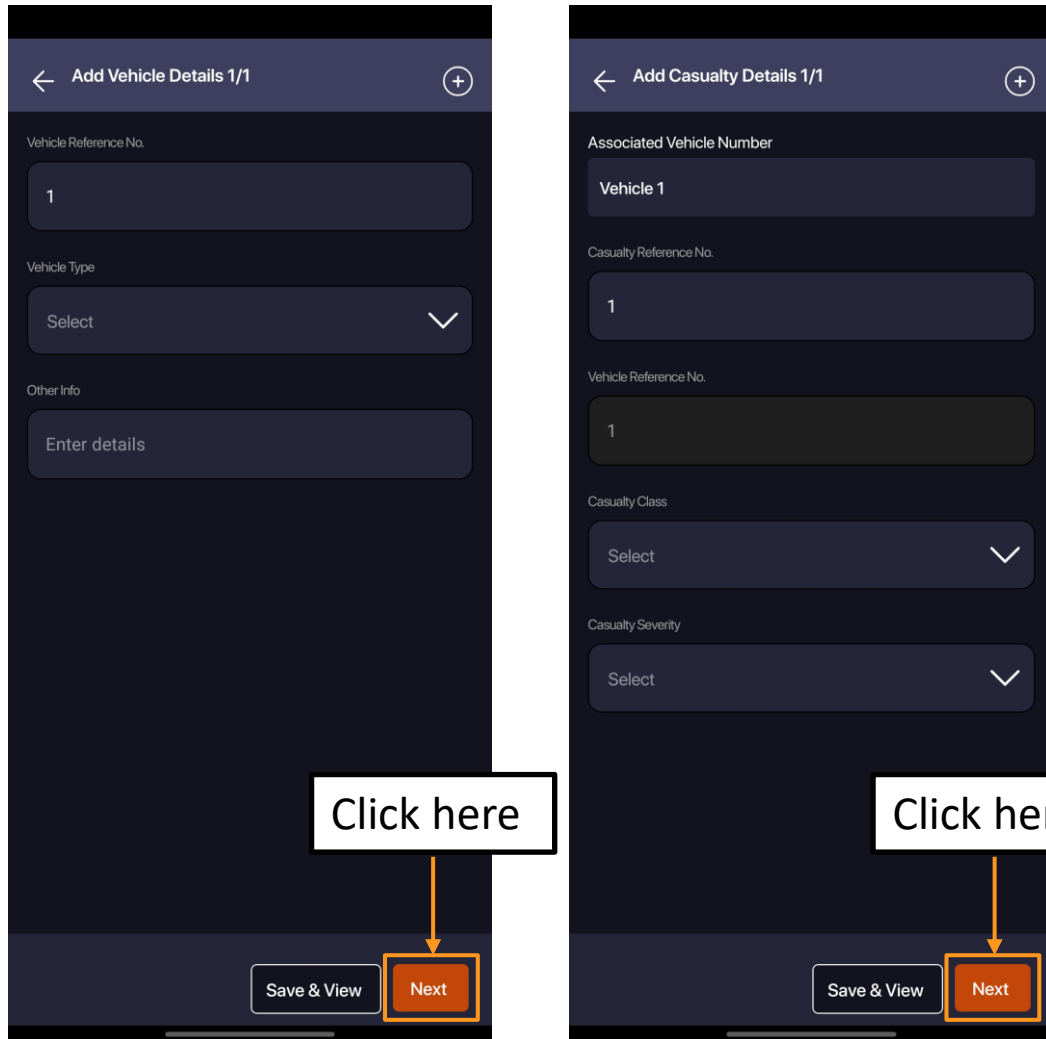
Number of Casualties

Save & View

Next

Note: You can use the map module to find, modify the crash location on map easily by clicking on the exact location!

How to use iMAAP on Phone/ Tablet/ Mobile Device – Step 4: Vehicle and Casualty Details



The image displays two side-by-side screenshots of the iMAAP mobile application interface, specifically Step 4: Vehicle and Casualty Details.

Left Screenshot: Add Vehicle Details 1/1

- Vehicle Reference No.: 1
- Vehicle Type: Select (dropdown menu)
- Other Info: Enter details (text input field)
- Bottom navigation: Save & View, Next (highlighted with an orange box and a 'Click here' label with an arrow pointing to it)

Right Screenshot: Add Casualty Details 1/1

- Associated Vehicle Number: Vehicle 1
- Casualty Reference No.: 1
- Vehicle Reference No.: 1
- Casualty Class: Select (dropdown menu)
- Casualty Severity: Select (dropdown menu)
- Bottom navigation: Save & View, Next (highlighted with an orange box and a 'Click here' label with an arrow pointing to it)

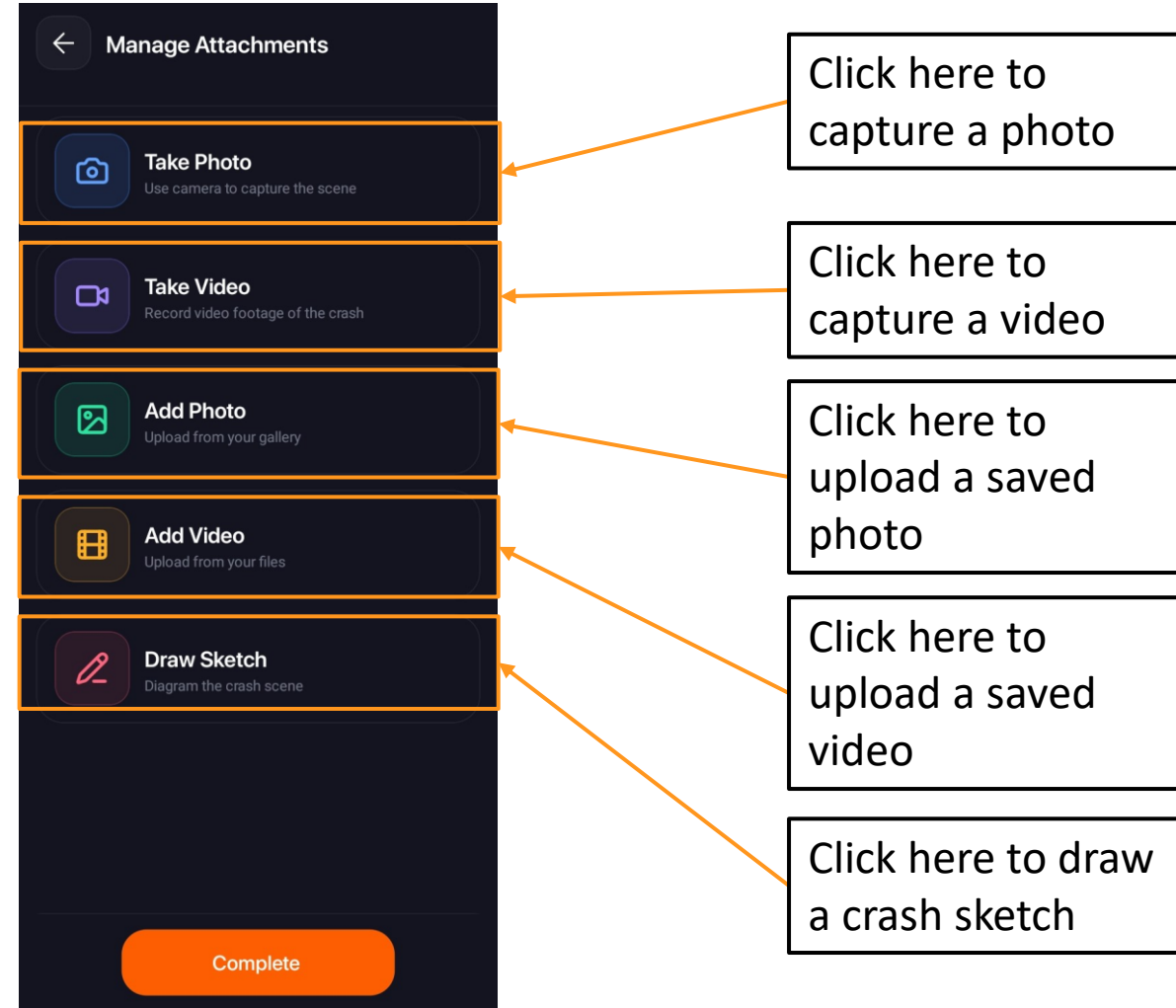
4. Fill-up the “Vehicle” & “Casualty” details.

iMAAP Data Collection



How to use iMAAP on Phone/ Tablet/ Mobile Device – Step 5: Include Attachment(s)

5. Add crash-relevant photos, videos, sketches, etc., attachments.

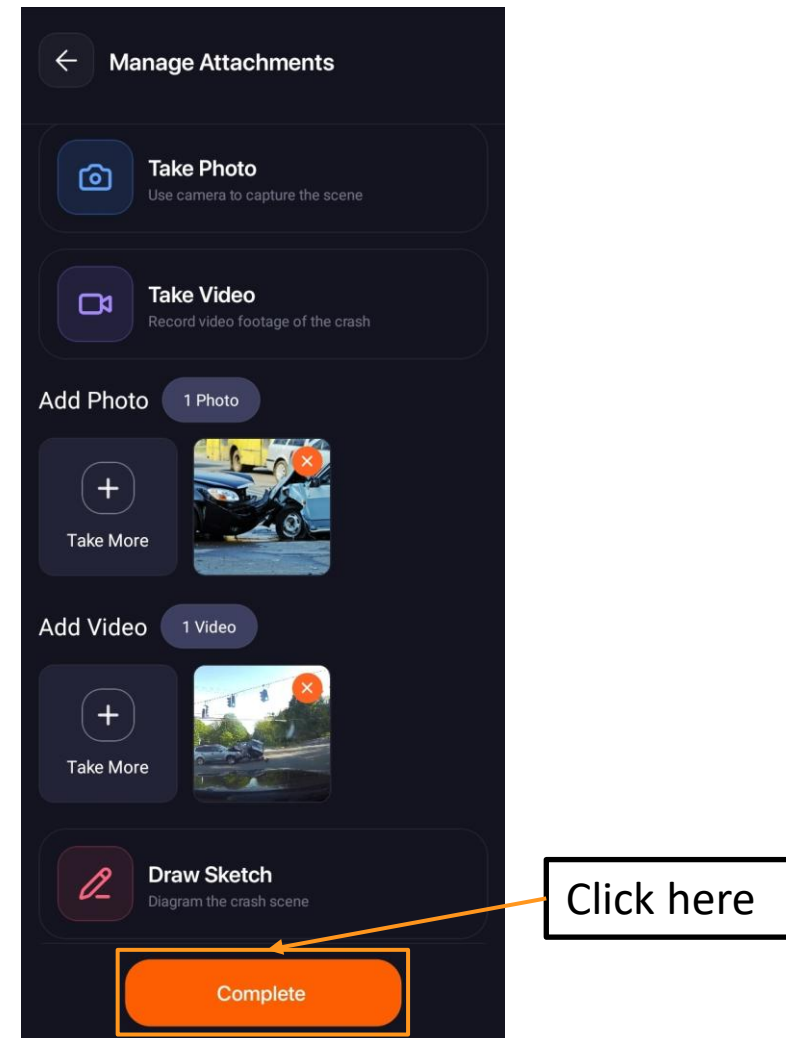


Note: If any error occurs while opening the camera, check the app permissions and grant camera access to iMAAP

iMAAP Data Collection

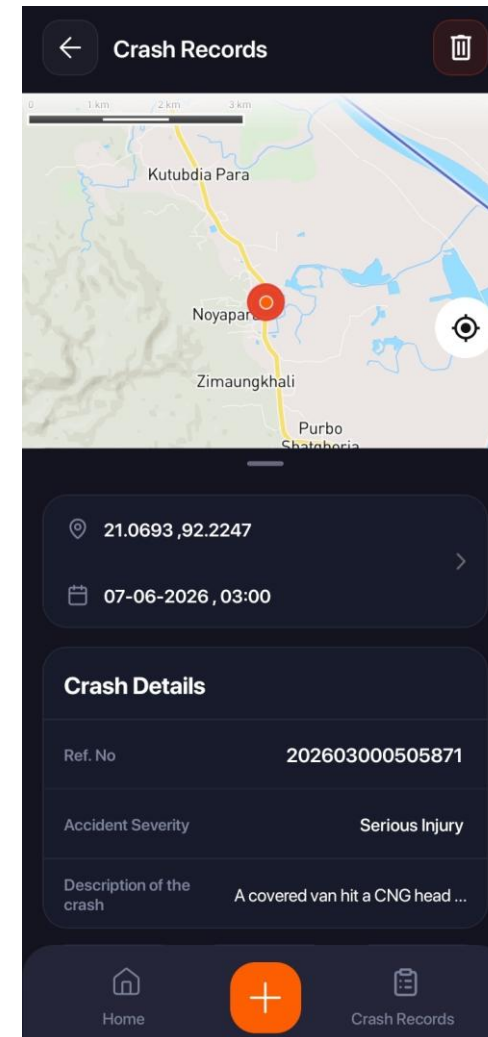
How to use iMAAP on Phone/ Tablet/ Mobile Device – Step 6: Save the crash input

6. Select “Complete”.



How to use iMAAP on Phone/ Tablet/ Mobile Device – Step 7: Complete Crash Input

7. This screen will be shown which means your input process was completed successfully!

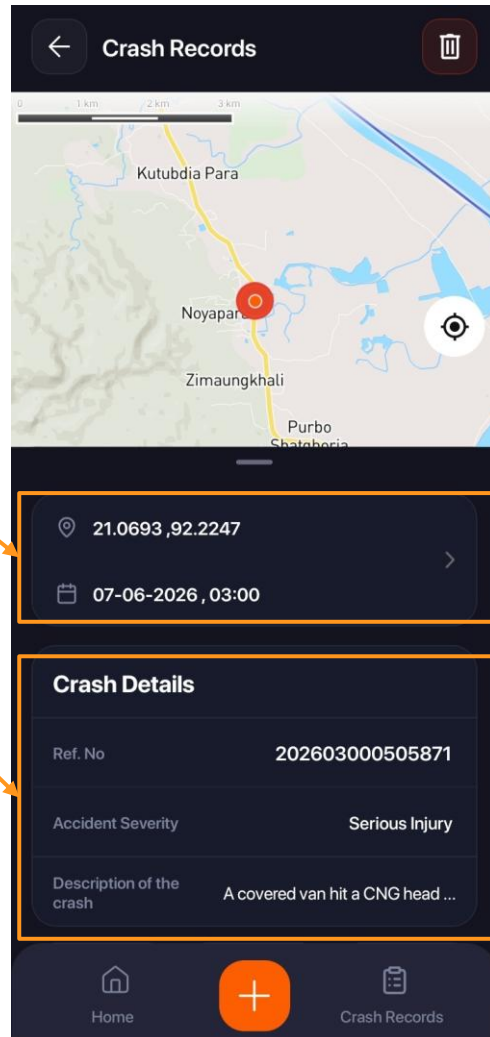


iMAAP Data Collection

How to use iMAAP on Phone/ Tablet/ Mobile Device – Step 8: Edit a Crash Input

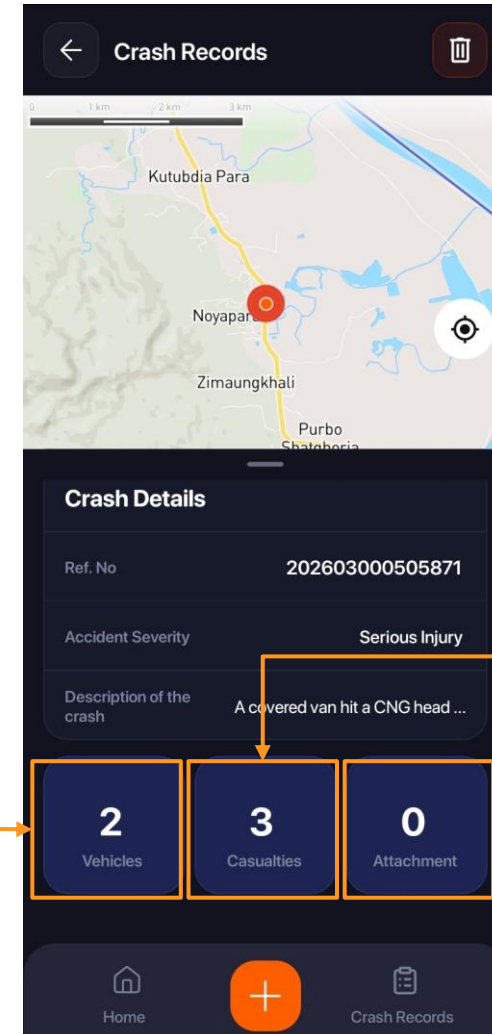
Click here to edit the location, date and time

Click here to edit the crash fields



The screenshot shows the 'Crash Records' screen. At the top is a map with a red location pin. Below the map are two fields: a location field with coordinates '21.0693,92.2247' and a date/time field with '07-06-2026, 03:00'. Below these is a 'Crash Details' section with three rows: 'Ref. No' (202603000505871), 'Accident Severity' (Serious Injury), and 'Description of the crash' (A covered van hit a CNG head ...). The bottom navigation bar has 'Home', a central '+' button, and 'Crash Records'.

Click here to edit the vehicle fields



The screenshot shows the 'Crash Details' screen. It has a 'Ref. No' field with '202603000505871', an 'Accident Severity' field with 'Serious Injury', and a 'Description of the crash' field with 'A covered van hit a CNG head ...'. Below these are three large buttons: '2 Vehicles', '3 Casualties', and '0 Attachment'. The bottom navigation bar is the same as the previous screen.

Click here to edit Casualty fields

Click here to edit the attachments

Note: Don't forget to save after editing a crash input!



Data Collection on Web Version

How to use iMAAP on Web Version – Step 1: Logging in iMAAP

1. Contact RHD Road Safety Division, Technical Services Wing for iMAAP Username & Password (ID Credentials).
Note: The ID Credentials are position specific, not name specific.
2. Open the URL (rhd.imaap.io) in any desktop browser.
3. Enter your ID credentials (The Username & Password received).

Username: *(Write the username of your own iMAAP account)*

Password: *(Write the password of your own iMAAP account)*

iMAAP Data Collection



How to use iMAAP on Web Version – Step 1: Logging in iMAAP

Initial log in screen of iMAAP on web version (rhd.imaap.io)

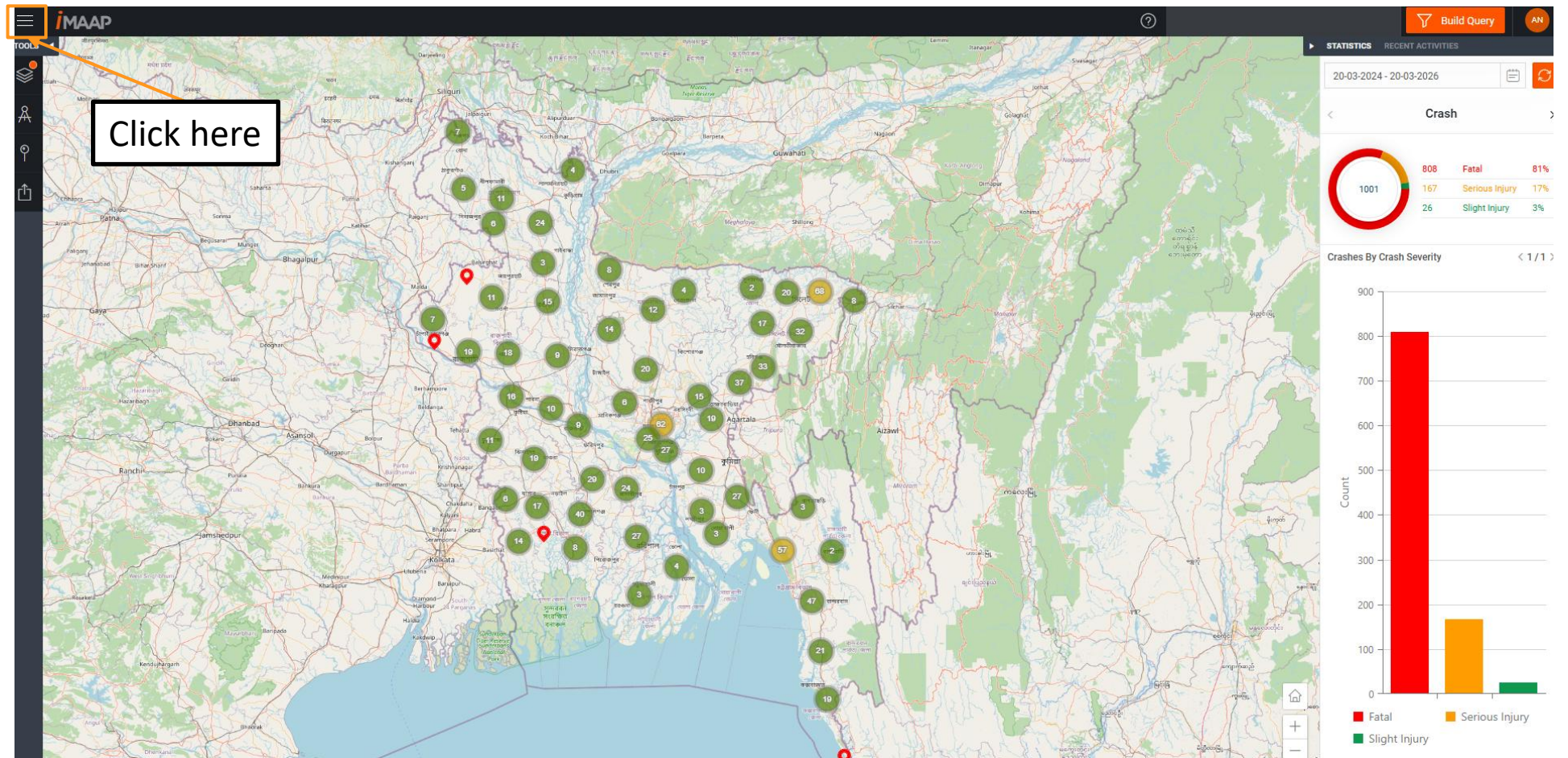
The image shows a login interface for iMAAP Software. It is a white, rounded rectangle centered over a background image of a city at night, viewed from a high angle. The interface includes the TRL Software logo and the iMAAP logo at the top. Below these are input fields for 'Username' and 'Password'. The 'Username' field has a placeholder text 'enter your username'. The 'Password' field has a placeholder text 'enter your password' and a toggle icon (an eye) to the right. Below the password field is a link that says 'Forgot Your Password?'. At the bottom of the form is a large orange button with the text 'Login'. At the very bottom of the white box is a small copyright notice: '© 2026 TRL Software and its licensors. All rights reserved.'

iMAAP Data Collection

How to use iMAAP on Web Version – Step 1: Logging in iMAAP

This is the iMAAP home screen after logging in.

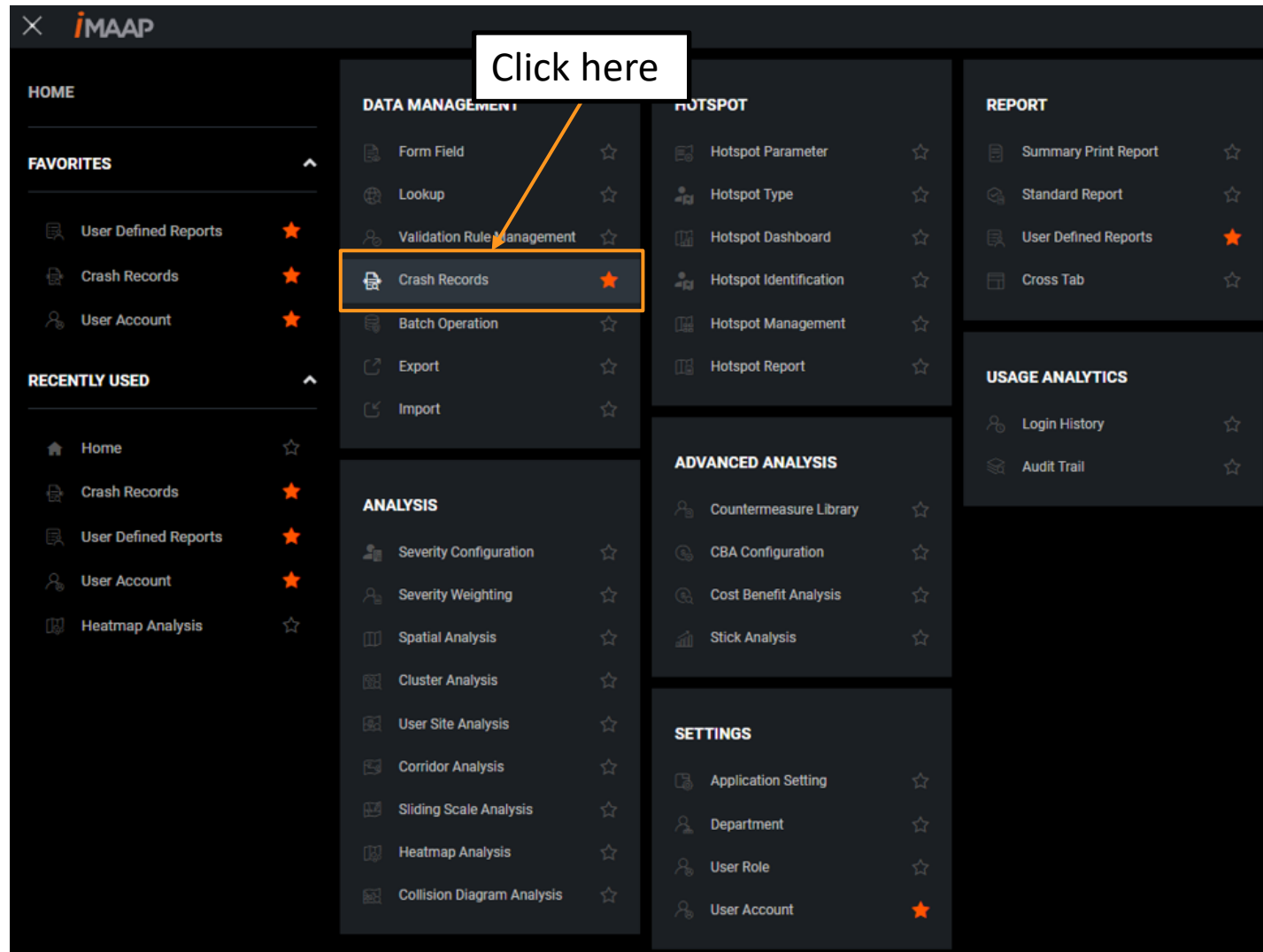
To begin the crash data entry process, click the menu button (three horizontal lines option shown on the here).



iMAAP Data Collection



How to use iMAAP on Web Version – Step 2: Start Crash Input



Now click “Crash Records” option under “Data Management” module.

iMAAP Data Collection

How to use iMAAP on Web Version – Step 2: Start Crash Input

The screenshot shows the iMAAP web interface. At the top, there is a dark header with the iMAAP logo and a search bar. Below the header, there is a navigation bar with 'Quick Search' and 'Search' buttons. A callout box with the text 'Click here' points to a '+' button in the navigation bar. To the right of the '+' button is a text input field containing '20261800191972' and a 'Summary View' toggle. Below the navigation bar, there is a table of crash records. The first record is highlighted with an orange border. A tooltip 'Add New Crash Record' is visible over the '+' button.

Date and Time	Vehicle Count	Person Count	Crash ID
14-03-2026, 18:00	2	3	20261800191972
13-03-2026, 08:00	2	3	202608003333253
13-03-2026, 08:00	2	3	202608002424182
13-03-2026, 08:00	2	2	202608004141917
13-03-2026, 08:00	2	2	202608003030314
12-03-2026, 16:00	2	5	202616002929884
12-03-2026, 16:00	2	15	

Click on the “Add new crash record” button (the “+” sign).

How to use iMAAP on Web Version – Step 3: Input Location and Crash Details

This is a Blank Accident Record Form (ARF), fill it up according to your specific crash.

Cancel

Validate and Save

Save

CRASH

VEHICLE (1)

CASUALTY (0)

1. Source of Crash Information

1.a. Description Of Source

2. Crash No.

3. BRTA Crash No.

4. FIR No.

5. Number of Vehicles Involved

1

6. Number of Casualties

7. Date of Occurrence

8. Time of Occurrence

9. Longitude

Latitude

10. Road Classification

11. Road Number

12. Road Name

13. Road Chainage

14. Road Type

15. Road Surface Type

16. Construction/ work zone

17. RHD Zone

18. RHD Circle

19. RHD Division

20. RHD Sub-Division

21. Administrative Division Name

22. Administrative District Name

23. Upazilla Name

Attachments

Drop your file here

Upload valid files such as images, videos, and doc etc...

OR

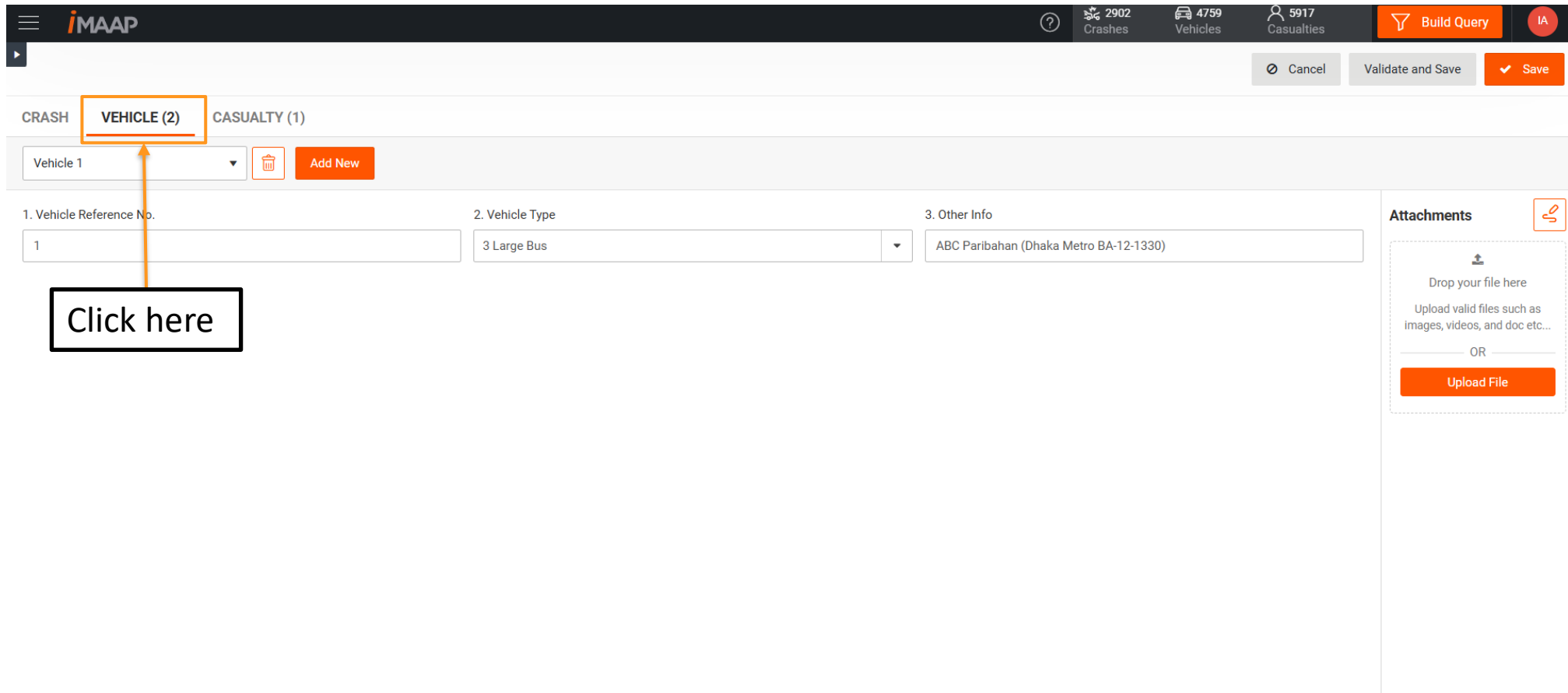
Upload File

After filling up, The filled up Accident Record Form (ARF) would look like this

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How to use iMAAP on Web Version – Step 4: Vehicle and Casualty Details

After finishing the crash details, move on to the “Vehicle” option and fill it up accordingly.

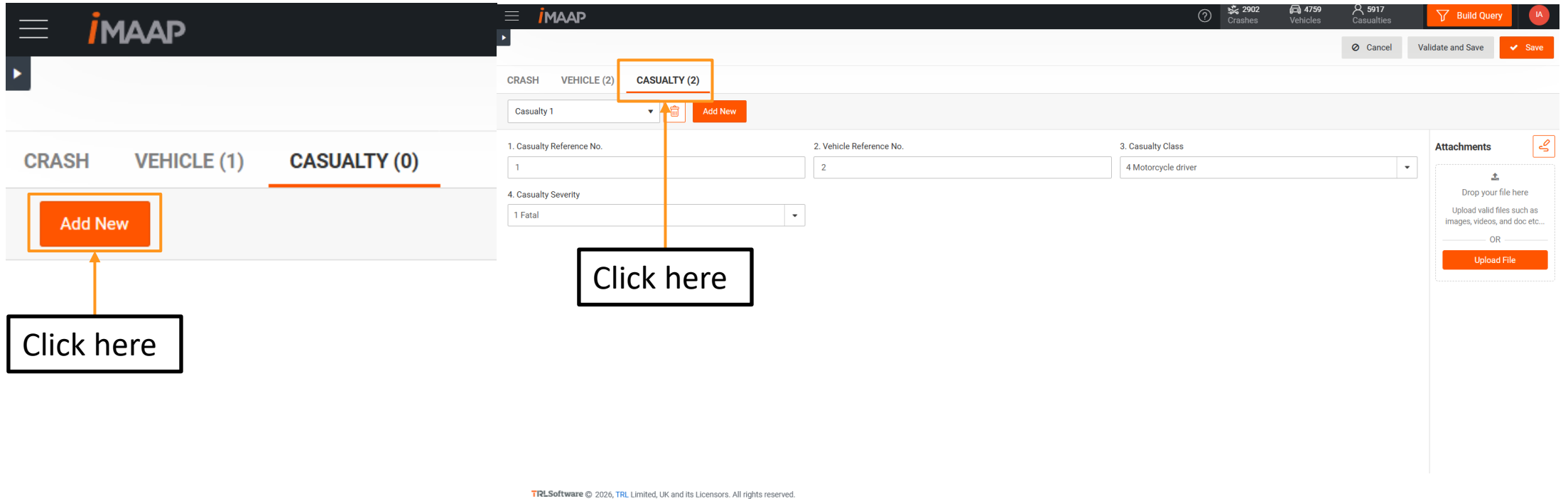


The screenshot displays the iMAAP web interface. At the top, a dark navigation bar contains the iMAAP logo, a help icon, and statistics for Crashes (2902), Vehicles (4759), and Casualties (5917). Action buttons for 'Build Query', 'Cancel', 'Validate and Save', and 'Save' are also present. Below this, a tabbed interface shows 'VEHICLE (2)' as the active tab, with 'CRASH' and 'CASUALTY (1)' as other options. The 'VEHICLE (2)' tab is highlighted with an orange box. Below the tabs, there is a dropdown menu for 'Vehicle 1' with a trash icon and an 'Add New' button. The main form area is divided into three sections: '1. Vehicle Reference No.' with a text input containing '1', '2. Vehicle Type' with a dropdown menu showing '3 Large Bus', and '3. Other Info' with a text input containing 'ABC Paribahan (Dhaka Metro BA-12-1330)'. An orange arrow points from a 'Click here' box to the 'VEHICLE (2)' tab. On the right side, there is an 'Attachments' section with a file upload icon, a text area for dropping files, and an 'Upload File' button.

iMAAP Data Collection

How to use iMAAP on Web Version – Step 4: Vehicle and Casualty Details

After finishing the Vehicle details, move on to the “Casualty” option and fill it up accordingly.



The screenshot displays the iMAAP web interface. The top navigation bar includes the iMAAP logo, a search icon, and statistics for Crashes (2902), Vehicles (4759), and Casualties (5917). Action buttons for 'Build Query', 'Cancel', 'Validate and Save', and 'Save' are present. The main interface has three tabs: 'CRASH', 'VEHICLE (2)', and 'CASUALTY (2)'. The 'CASUALTY (2)' tab is active and highlighted with an orange box. Below the tabs, there is a section for adding new casualties, with an 'Add New' button highlighted by an orange box and a 'Click here' label with an arrow pointing to it. The form fields for a casualty include: 1. Casualty Reference No. (1), 2. Vehicle Reference No. (2), 3. Casualty Class (4 Motorcycle driver), and 4. Casualty Severity (1 Fatal). An 'Attachments' section on the right allows for uploading files. The footer contains the copyright notice: 'TRLSoftware © 2026, TRL Limited, UK and its Licensors. All rights reserved.'

After filling everything up, the fully completed Accident Record Form (ARF) would look like this

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iMAAP Data Collection



How to use iMAAP on Web Version – Step 5: Include Attachment(s)

Add crash-relevant photos, videos, sketches, etc., attachments on the “Upload File” Option on the right.

The screenshot displays the iMAAP web interface for data collection. The top navigation bar includes the iMAAP logo, a help icon, and statistics for 2902 Crashes, 4759 Vehicles, and 5917 Casualties. A 'Build Query' button and a user profile icon are also present. Below the navigation bar, there are buttons for 'Cancel', 'Validate and Save', and 'Save'. The main form is divided into three tabs: 'CRASH', 'VEHICLE (2)', and 'CASUALTY (2)'. The 'CRASH' tab is active, showing a grid of 23 input fields for crash details. On the right side, there is an 'Attachments' section with a dotted rectangle for file uploads and an 'Upload File' button. An orange arrow points from a 'Click here' box to the 'Upload File' button.

1. Source of Crash Information
5 Newspaper

1.a. Description Of Source
Prothom Alo

2. Crash No.

3. BRTA Crash No.

4. FIR No.

5. Number of Vehicles Involved
2

6. Number of Casualties
2

7. Date of Occurrence
31-05-2026

8. Time of Occurrence
12:30

9. Longitude
89.86890268682019

Latitude
24.47776663613843

10. Road Classification
3 Zilla Highway

11. Road Number
630 Z4801

12. Road Name
630 Bhuanpur-Tarakandi Road

13. Road Chainage
2.796

14. Road Type
5 Two Lane with Paved Shoulder

15. Road Surface Type
1 Bituminous

16. Construction/ work zone
2 No

17. RHD Zone
07 Mymensingh

18. RHD Circle
0701 Jamalpur

19. RHD Division
070102 Tangail

20. RHD Sub-Division
070102003 Tangail

21. Administrative Division Name

22. Administrative District Name

23. Upazilla Name

Attachments

Drop your file here

Upload valid files such as images, videos, and doc etc...

Upload File

Click here

Note: You can also drop the files within the dotted rectangle surrounding the “Upload File” Option!

iMAAP Data Collection



How to use iMAAP on Web Version – Step 6: Save the crash input

Click the “Save” Button on the top right to save the inputted crash.

?

Crashes

2902

Vehicles

4759

Casualties

5917

Build Query

IA

Cancel

Validate and Save

Save

CRASH

VEHICLE (2)

CASUALTY (2)

1. Source of Crash Information

5 Newspaper

1.a. Description Of Source

Prothom Alo

2. Crash No.

3. BRTA Crash No.

4. FIR No.

5. Number of Vehicles Involved

2

6. Number of Casualties

2

7. Date of Occurrence

31-05-2026

8. Time of Occurrence

12:30

9. Longitude

89.86890268682019

Latitude

24.47776663613843

10. Road Classification

3 Zilla Highway

11. Road Number

630 Z4801

12. Road Name

630 Bhuanpur-Tarakandi Road

13. Road Chainage

2.796

14. Road Type

5 Two Lane with Paved Shoulder

15. Road Surface Type

1 Bituminous

16. Construction/ work zone

2 No

17. RHD Zone

07 Mymensingh

18. RHD Circle

0701 Jamalpur

19. RHD Division

070102 Tangail

20. RHD Sub-Division

070102003 Tangail

21. Administrative Division Name

22. Administrative District Name

23. Upazilla Name

Attachments

Drop your file here

Upload valid files such as images, videos, and doc etc...

OR

Upload File

Click here

iMAAP Data Collection



How to use iMAAP on Web Version – Step 7: Complete Crash Input

If you see this screen after clicking “Save”, Congratulations! Your input has been completed successfully.

SEARCH

202612305353806

Cancel

Validate and Save

Save

Quick Search

Search

+

08-06-2026, 12:30
202612305353806

1

26

03-06-2026, 08:15
202608152727354

2

1

02-06-2026, 17:00
202617000606851

2

2

01-06-2026, 11:15
202611150707587

2

2

01-06-2026, 21:00
202621005858927

2

1

01-06-2026, 07:00
202607002323250

2

4

31-05-2026, 21:15
202621152222888

4

11

31-05-2026, 13:30
202613301111232

2

2

31-05-2026, 12:30
20261230333349

3

2

31-05-2026, 12:00
202605295454531

2

33

31-05-2026, 11:30

2

9

CRASH

VEHICLE (1)

CASUALTY (26)

1. Source of Crash Information

1 RHD Field Staff

1.a. Description Of Source

SAE, Brahmanbaria

2. Crash No.

202612305353806

3. BRTA Crash No.

4. FIR No.

5. Number of Vehicles Involved

1

6. Number of Casualties

26

7. Date of Occurrence

08-06-2026

8. Time of Occurrence

12:30

9. Longitude

91.20277293

Latitude

24.04302189

10. Road Classification

1 National Highway

11. Road Number

30 N2

12. Road Name

30 Dhaka (Katchpur)-Bhairab-Jagadishpur-Shaista

13. Road Chainage

91.4

14. Road Type

6 Two Lane

15. Road Surface Type

1 Bituminous

16. Construction/ work zone

2 No

17. RHD Zone

03 Cumilla

18. RHD Circle

0301 Cumilla

19. RHD Division

030101 Brahmanbaria

20. RHD Sub-Division

030101001 Brahmanbaria

21. Administrative Division Name

22. Administrative District Name

23. Upazilla Name

Attachments

Drop your file here

Upload valid files such as images, videos, and doc etc...

OR

Upload File

<<

<

1-50 (2.9K)

>

>>

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Edit data entry in iMAAP

iMAAP Data Collection

How to edit data entry in iMAAP on Web Version

Step 1: Select a crash record from the crash listing panel and click the 'Edit Crash Record' icon.

The screenshot displays the iMAAP web interface. On the left, a 'Crash Listing Panel' shows a table of crash records. The record with ID 202614301818550, dated 06-06-2026 at 14:30, is highlighted with an orange box. An arrow points to this record with the text 'Click here'. The top right of the interface features a summary bar for the selected record, also highlighted with an orange box. An arrow points to the 'Edit Crash Record' icon (a pencil) in the top right corner of this bar, with the text 'Click here'.

Date	Time	Crash ID	Vehicles	Casualties
07-06-2026	03:00	202603000505871	2	3
06-06-2026	19:15	202619151414285	2	4
06-06-2026	14:30	202614301818550	3	1
06-06-2026	13:00	202613000404880	1	1
06-06-2026	08:30	202608302424487	2	2
06-06-2026	07:00	202607002626322	1	1
06-06-2026	03:30	20260330323214	1	1
05-06-2026	22:30	20262230303054	1	1
05-06-2026	20:30	202620303333871	2	3
05-06-2026	16:00	202616004242294	2	1
05-06-2026	08:30	202605002626560	2	6

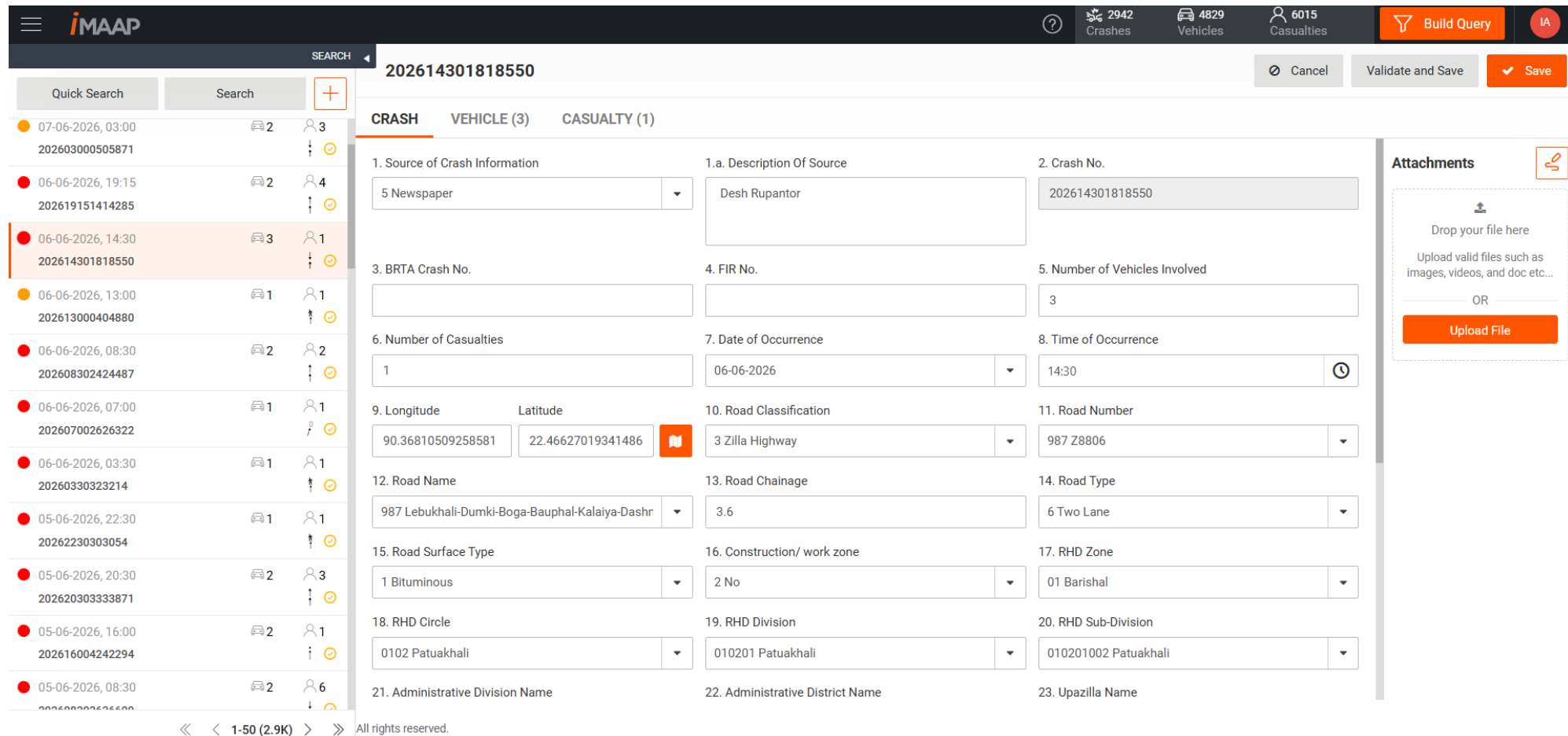
Map details: The map shows the location of the selected crash record. The road is labeled 'Dumki - Bauphal Highway'. The crash location is marked with a red pin. The map also shows 'Dumki Forest' and 'Mridha Bari Road'.

Summary View details:

- Road Classification: Zilla Highway
- RHD Zone: Barishal
- Location Type: Mid-block Straight
- Weather: NA

How to edit data entry in iMAAP on Web Version

Step 2: On clicking the 'Edit Crash Record' icon, the following screen will be displayed to the user in edit mode.



The screenshot displays the iMAAP web interface in edit mode for a specific crash record. The interface includes a top navigation bar with the iMAAP logo, a search bar, and summary statistics (2942 Crashes, 4829 Vehicles, 6015 Casualties). A sidebar on the left lists multiple crash records, with the selected record (06-06-2026, 14:30, 202614301818550) highlighted in orange. The main area shows the 'Edit Crash Record' form for record 202614301818550, with tabs for CRASH, VEHICLE (3), and CASUALTY (1). The form contains 23 fields organized into three columns. The 'Attachments' section on the right allows for file uploads. The bottom of the screen shows a pagination bar indicating 1-50 (2.9K) records and a copyright notice.

Quick Search **Search** **+**

202614301818550 **Cancel** **Validate and Save** **Save**

CRASH **VEHICLE (3)** **CASUALTY (1)**

1. Source of Crash Information: 5 Newspaper
1.a. Description Of Source: Desh Rupantor
2. Crash No.: 202614301818550

3. BRTA Crash No.:
4. FIR No.:
5. Number of Vehicles Involved: 3

6. Number of Casualties: 1
7. Date of Occurrence: 06-06-2026
8. Time of Occurrence: 14:30

9. Longitude: 90.36810509258581 Latitude: 22.46627019341486
10. Road Classification: 3 Zilla Highway
11. Road Number: 987 Z8806

12. Road Name: 987 Lebukhali-Dumki-Boga-Bauphal-Kalaiya-Dashr
13. Road Chainage: 3.6
14. Road Type: 6 Two Lane

15. Road Surface Type: 1 Bituminous
16. Construction/ work zone: 2 No
17. RHD Zone: 01 Barishal

18. RHD Circle: 0102 Patuakhali
19. RHD Division: 010201 Patuakhali
20. RHD Sub-Division: 010201002 Patuakhali

21. Administrative Division Name
22. Administrative District Name
23. Upazilla Name

Attachments

Drop your file here

Upload valid files such as images, videos, and doc etc...

OR

Upload File

1-50 (2.9K) All rights reserved.

iMAAP Data Collection



How to edit data entry in iMAAP on Web Version

Step 3: After all the modifications, click on “Save”.

The screenshot displays the iMAAP web interface for editing a crash record. The interface includes a sidebar with a list of crash records, a main form area, and a top navigation bar. The top bar shows statistics: 2942 Crashes, 4829 Vehicles, and 6015 Casualties. The main form is titled '202614301818550' and contains the following fields:

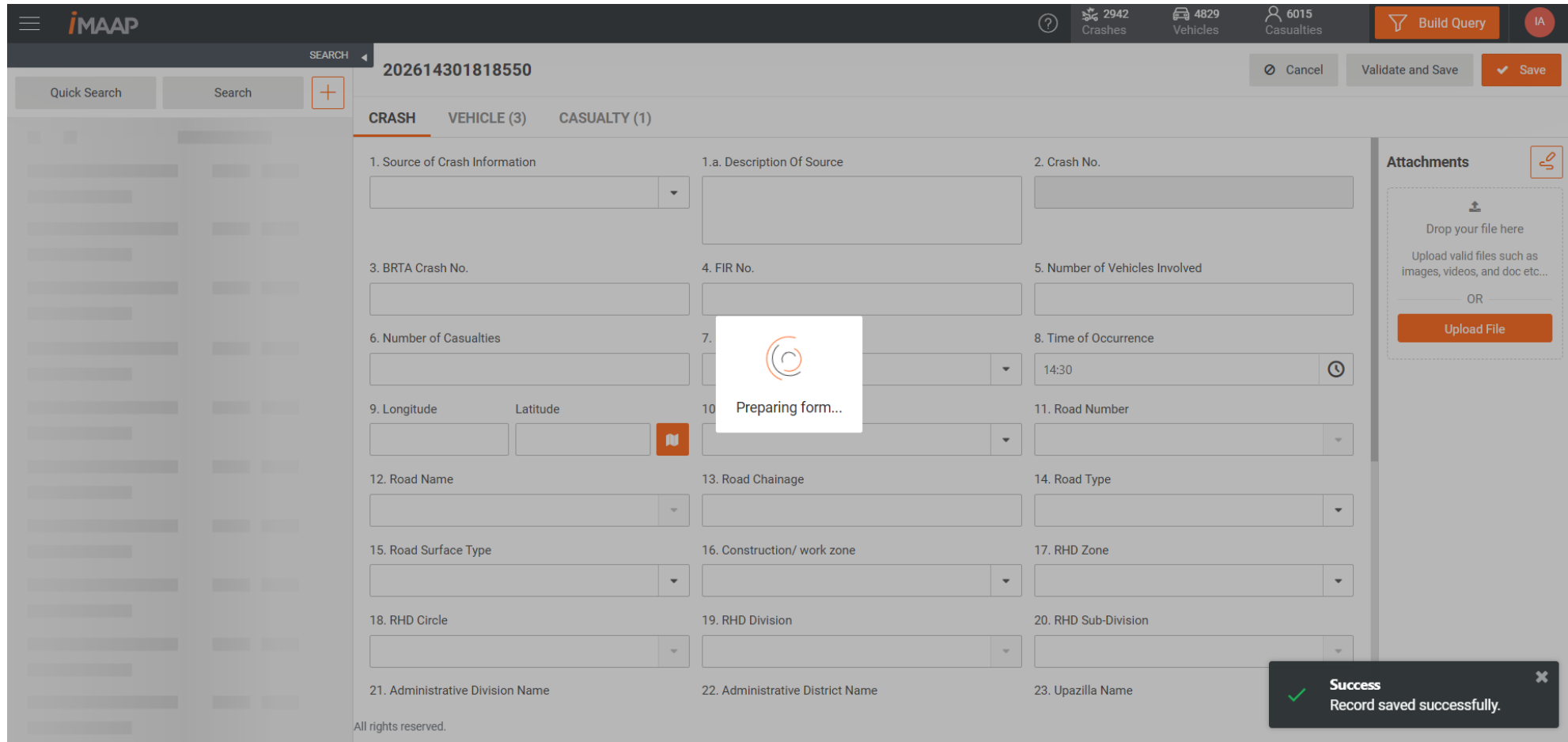
- 1. Source of Crash Information:** 5 Newspaper
- 1.a. Description Of Source:** Desh Rupantor
- 2. Crash No.:** 202614301818550
- 3. BRTA Crash No.:**
- 4. FIR No.:**
- 5. Number of Vehicles Involved:** 3
- 6. Number of Casualties:** 1
- 7. Date of Occurrence:** 06-06-2026
- 8. Time of Occurrence:** 14:30
- 9. Longitude:** 90.36810509258581
- Latitude:** 22.46627019341486
- 10. Road Classification:** 3 Zilla Highway
- 11. Road Number:** 987 Z8806
- 12. Road Name:** 987 Lebukhali-Dumki-Boga-Bauphal-Kalaiya-Dashr
- 13. Road Chainage:** 3.6
- 14. Road Type:** 6 Two Lane
- 15. Road Surface Type:** 1 Bituminous
- 16. Construction/ work zone:** 2 No
- 17. RHD Zone:** 01 Barishal
- 18. RHD Circle:** 0102 Patuakhali
- 19. RHD Division:** 010201 Patuakhali
- 20. RHD Sub-Division:** 010201002 Patuakhali
- 21. Administrative Division Name:**
- 22. Administrative District Name:**
- 23. Upazilla Name:**

A red box highlights the 'Save' button in the top right corner of the form. An arrow points from a 'Click here' label to this button. The sidebar on the left shows a list of crash records, with the selected record highlighted in orange. The bottom of the sidebar shows '1-50 (2.9K)' and 'All rights reserved.'

iMAAP Data Collection

How to edit data entry in iMAAP on Web Version

Step 4: User will be notified by a success notification.



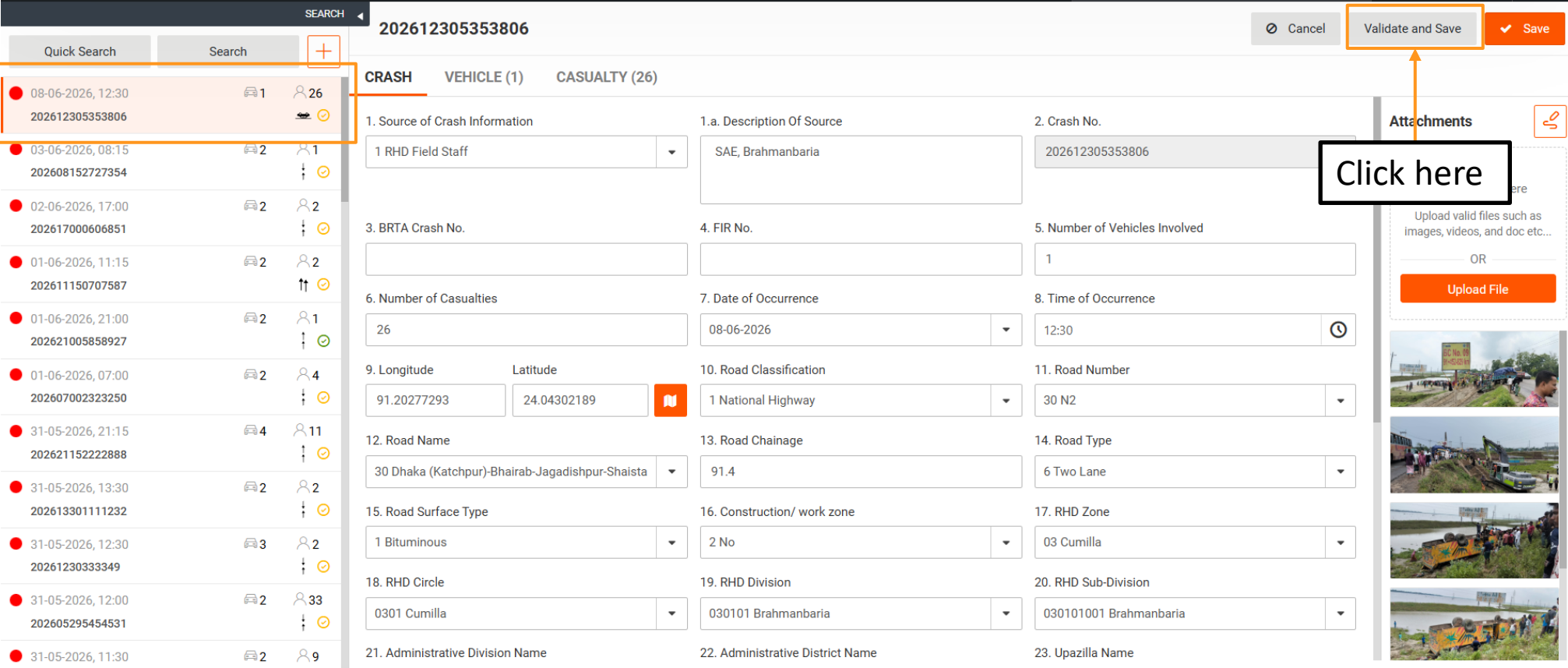
The screenshot displays the iMAAP web interface for data entry. The top navigation bar includes the iMAAP logo, a search bar, and summary statistics: 2942 Crashes, 4829 Vehicles, and 6015 Casualties. A 'Build Query' button and a user profile icon are also present. The main content area shows a form for editing a record with ID 202614301818550. The form is divided into three tabs: CRASH, VEHICLE (3), and CASUALTY (1). The CRASH tab is active, showing fields for Source of Crash Information, Description of Source, Crash No., BRTA Crash No., FIR No., Number of Vehicles Involved, Number of Casualties, Time of Occurrence, Longitude, Latitude, Road Name, Road Chainage, Road Type, Road Surface Type, Construction/ work zone, RHD Zone, RHD Circle, RHD Division, RHD Sub-Division, Administrative Division Name, Administrative District Name, and Upazilla Name. A 'Preparing form...' dialog box is overlaid on the form. On the right, there is an 'Attachments' section with a 'Drop your file here' area and an 'Upload File' button. A success notification at the bottom right states: 'Success Record saved successfully.'



Validate data entry in iMAAP

How to use iMAAP on Web Version – Data Validation

After the successful completion of data entry, the nominated person(s) will check all the inputted crash data fields for authenticity, accuracy, crash entry duplication, etc. To validate a crash, select the crash and check all the crash fields. After checking every field, click on the “Validate and Save” Button.



Click here →

SEARCH **202612305353806** Cancel Validate and Save Save

Quick Search Search +

CRASH	VEHICLE (1)	CASUALTY (26)
08-06-2026, 12:30 202612305353806	1	26
03-06-2026, 08:15 202608152727354	2	1
02-06-2026, 17:00 202617000606851	2	2
01-06-2026, 11:15 202611150707587	2	2
01-06-2026, 21:00 202621005858927	2	1
01-06-2026, 07:00 202607002323250	2	4
31-05-2026, 21:15 202621152222888	4	11
31-05-2026, 13:30 202613301111232	2	2
31-05-2026, 12:30 20261230333349	3	2
31-05-2026, 12:00 202605295454531	2	33
31-05-2026, 11:30	2	9

1. Source of Crash Information: 1 RHD Field Staff

1.a. Description Of Source: SAE, Brahmanbaria

2. Crash No.: 202612305353806

3. BRTA Crash No.:

4. FIR No.:

5. Number of Vehicles Involved: 1

6. Number of Casualties: 26

7. Date of Occurrence: 08-06-2026

8. Time of Occurrence: 12:30

9. Longitude: 91.20277293 Latitude: 24.04302189

10. Road Classification: 1 National Highway

11. Road Number: 30 N2

12. Road Name: 30 Dhaka (Katchpur)-Bhairab-Jagadishpur-Shaista

13. Road Chainage: 91.4

14. Road Type: 6 Two Lane

15. Road Surface Type: 1 Bituminous

16. Construction/ work zone: 2 No

17. RHD Zone: 03 Cumilla

18. RHD Circle: 0301 Cumilla

19. RHD Division: 030101 Brahmanbaria

20. RHD Sub-Division: 030101001 Brahmanbaria

21. Administrative Division Name:

22. Administrative District Name:

23. Upazilla Name:

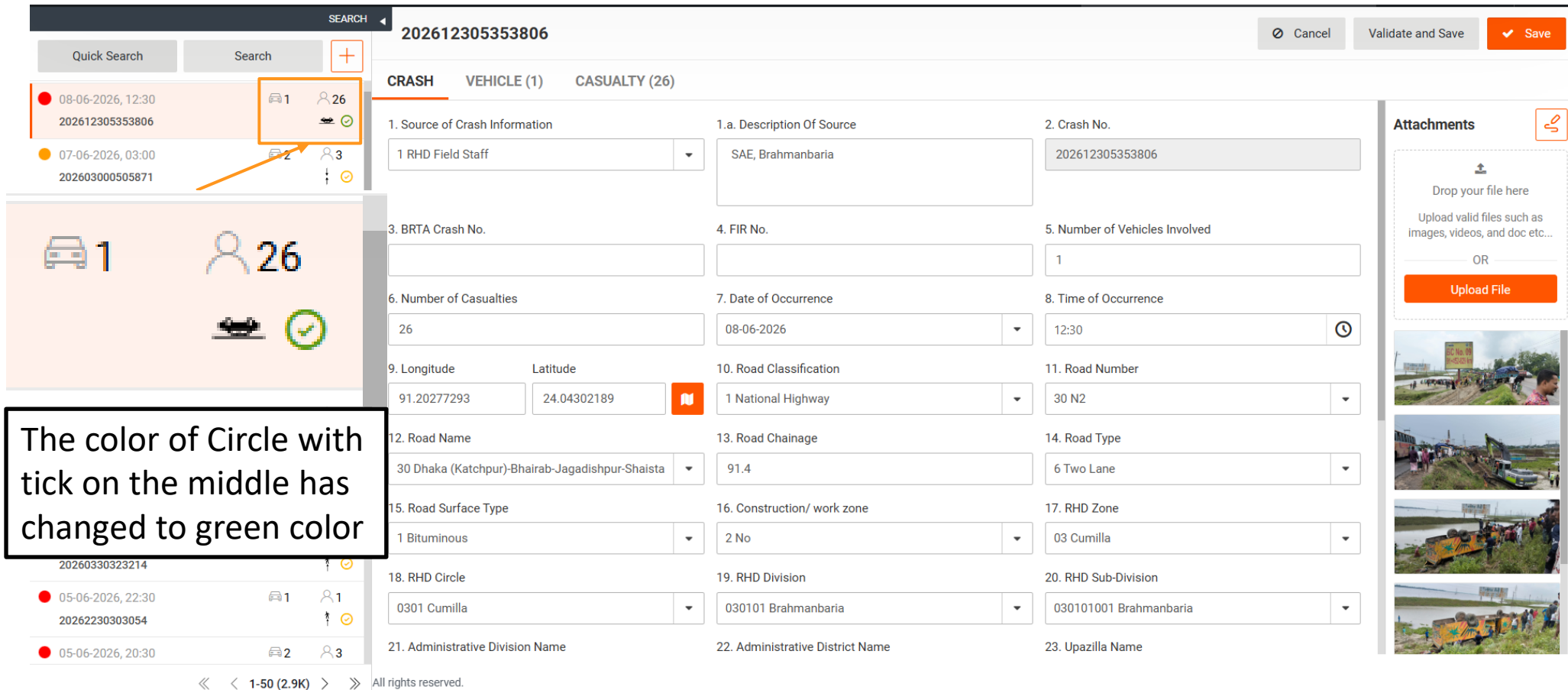
Click here →

Attachments: Upload valid files such as images, videos, and doc etc... OR Upload File

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How to use iMAAP on Web Version – Data Validation

After successful validation of the crash entry, the small orange circle with a tick on the middle will change into green circle with a tick on the middle of it.



The screenshot displays the iMAAP web interface for data validation. The top navigation bar includes a search bar and buttons for 'Quick Search', 'Search', and '+'. The main content area shows a list of crash entries on the left and a detailed form for a selected entry on the right. The selected entry is for a crash on 08-06-2026 at 12:30, with ID 202612305353806. The form contains various fields for crash information, including source, description, crash number, FIR number, date of occurrence, time of occurrence, road classification, road name, road chainage, road type, road surface type, construction/work zone, RHD zone, RHD circle, RHD division, RHD sub-division, administrative division name, administrative district name, and upazilla name. A callout box highlights the change in the status icon from orange to green.

The color of Circle with tick on the middle has changed to green color

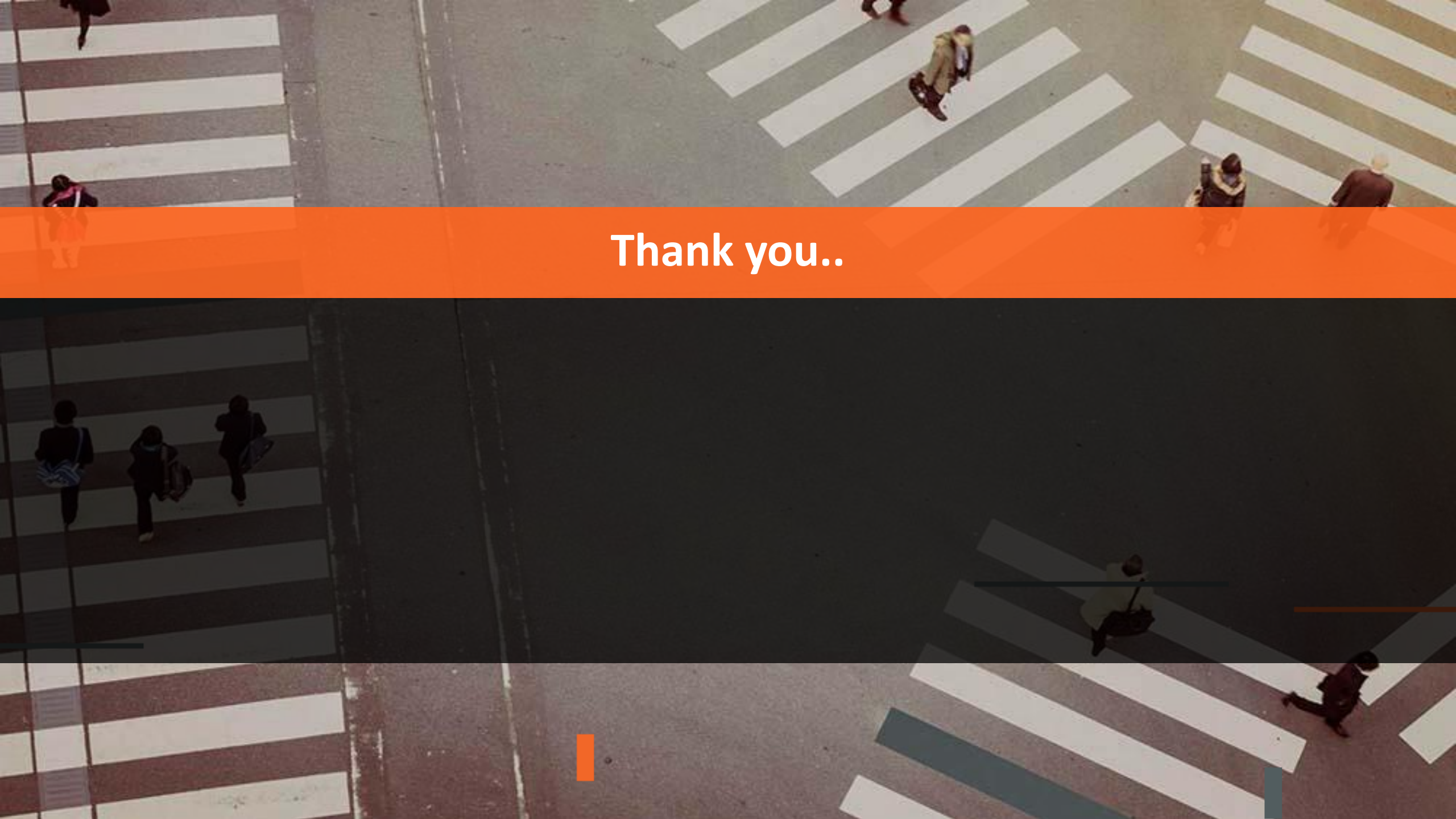
Attachments

Drop your file here

Upload valid files such as images, videos, and doc etc...

OR

Upload File

An aerial photograph of a city intersection. The image shows several crosswalks with white stripes on a grey asphalt surface. Pedestrians are seen walking across the crosswalks. The image is partially obscured by a large orange horizontal band in the center, which contains the text "Thank you..".

Thank you..