

LA16

Collision Reporting and Evaluation Procedure

Bernard Sweeney | Department of Transport Support Office | Kildare County Council

17th May 2022, Radisson Hotel, Rosses Point, Sligo, Co. Sligo

Coming Up ▼



LA16 – What & Why

The Procedure

2021 – Facts, Figures and the future

The 'Big' Reveal.....

Another Reveal.....

2022 so far (also revealing!)

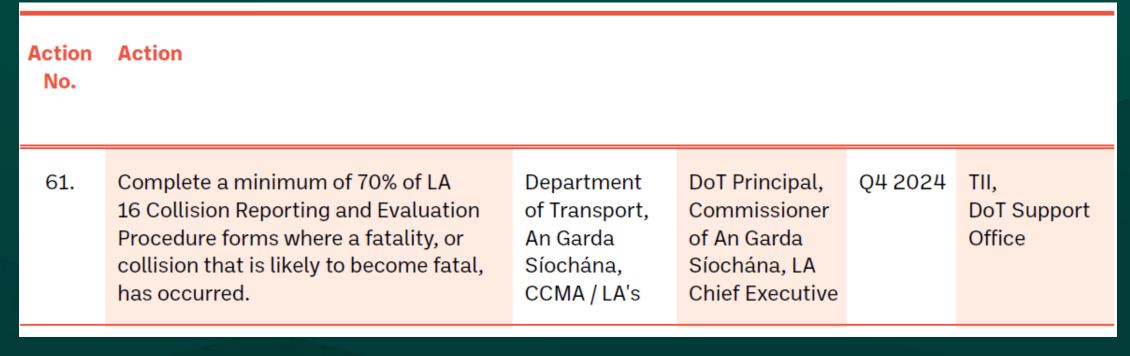


What is an LA16?

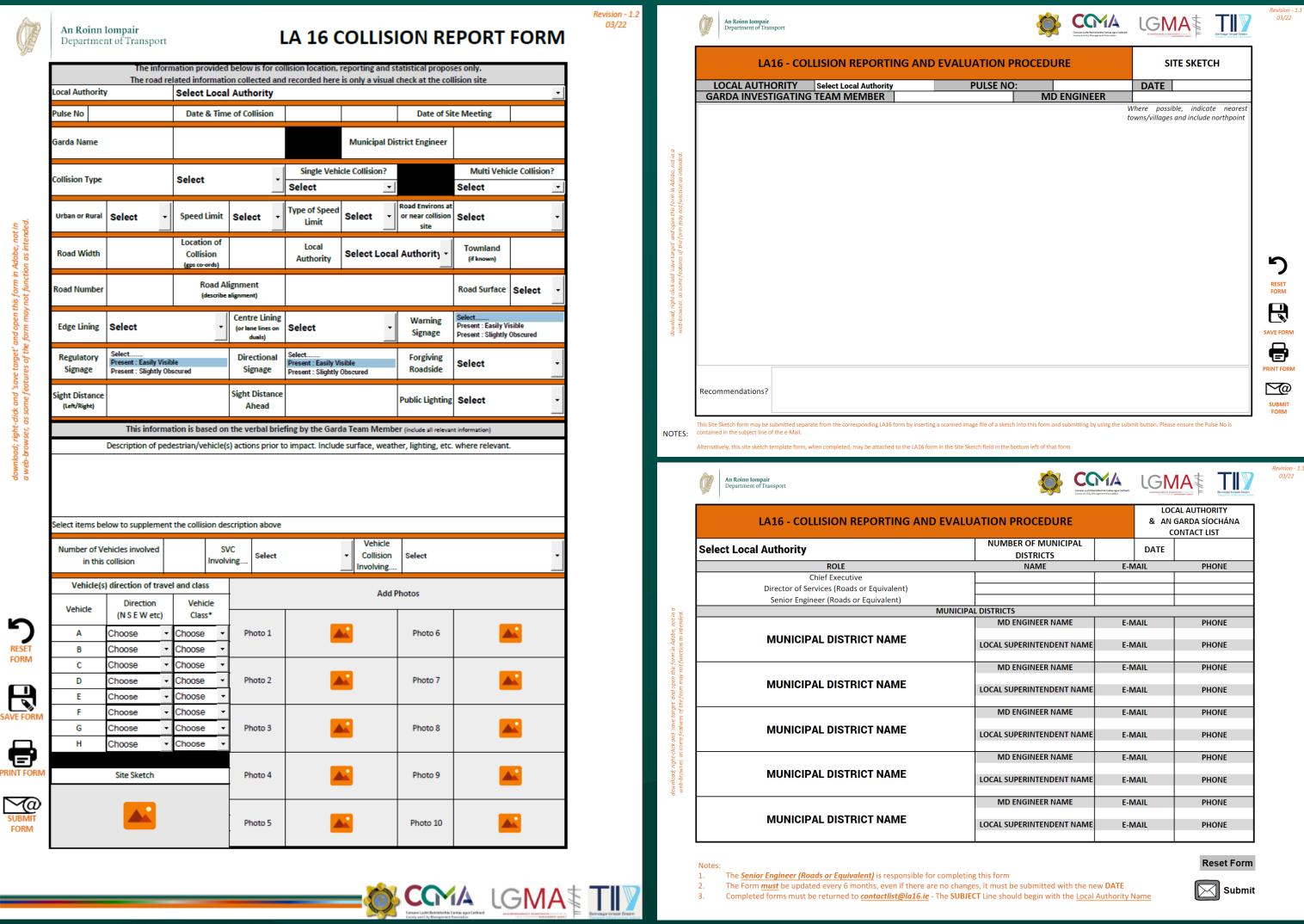
Form used to collect data at fatal collision sites Initially introduced in 2007 Slight revamp now to reinvigorate the process

Why?

Road Safety Strategy 2021-2030 (Action 61 in PHASE 1 ACTION PLAN 2021-2024)

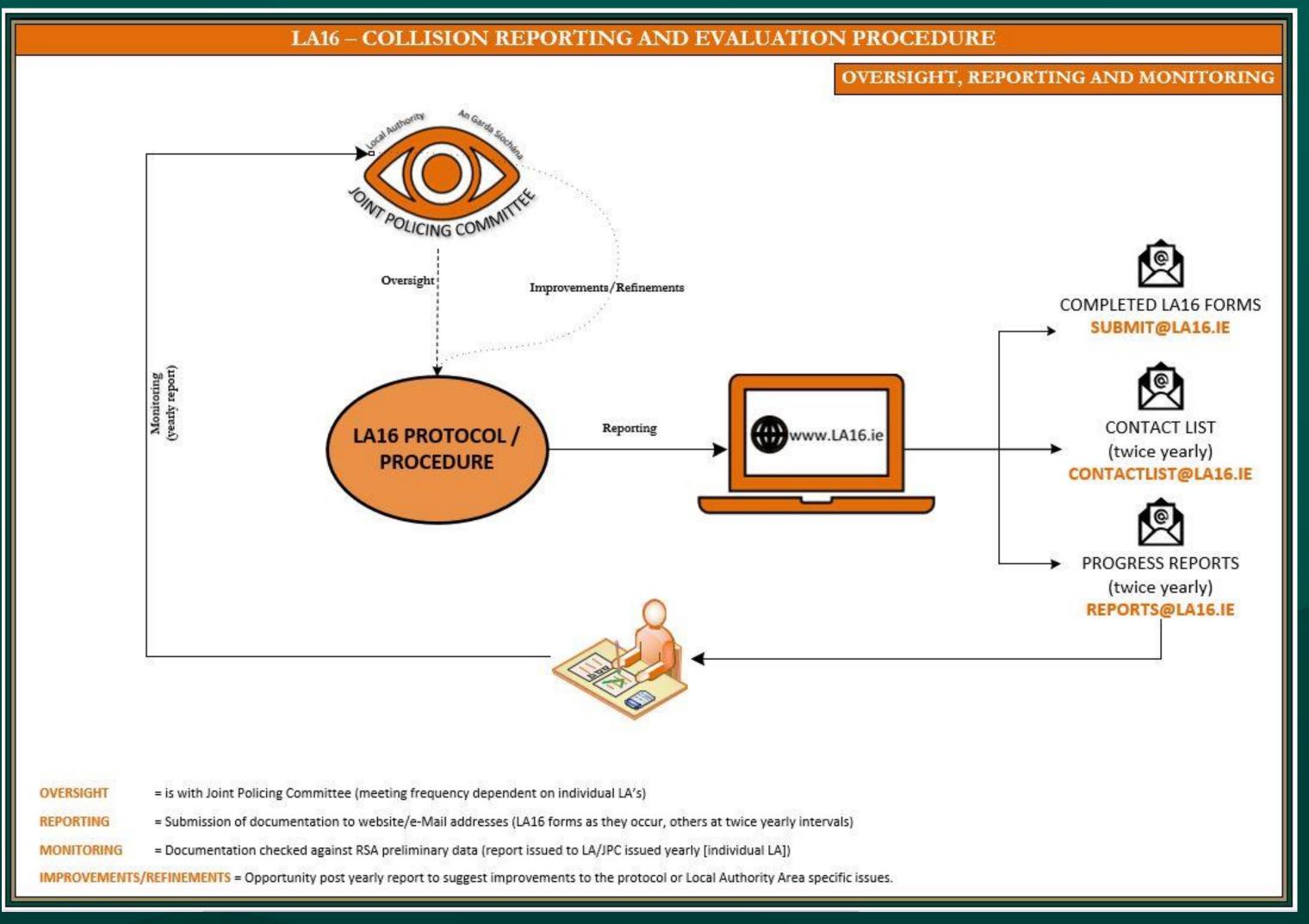


Revised / Updated Forms





Oversight & Monitoring







The 2021 LA16 Completion Rate Was.....

100%

B:

C: 57%

72%

66.7%

An Roinn Iompair | Department of Transport











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An Roinn Iompair | Department of Transport







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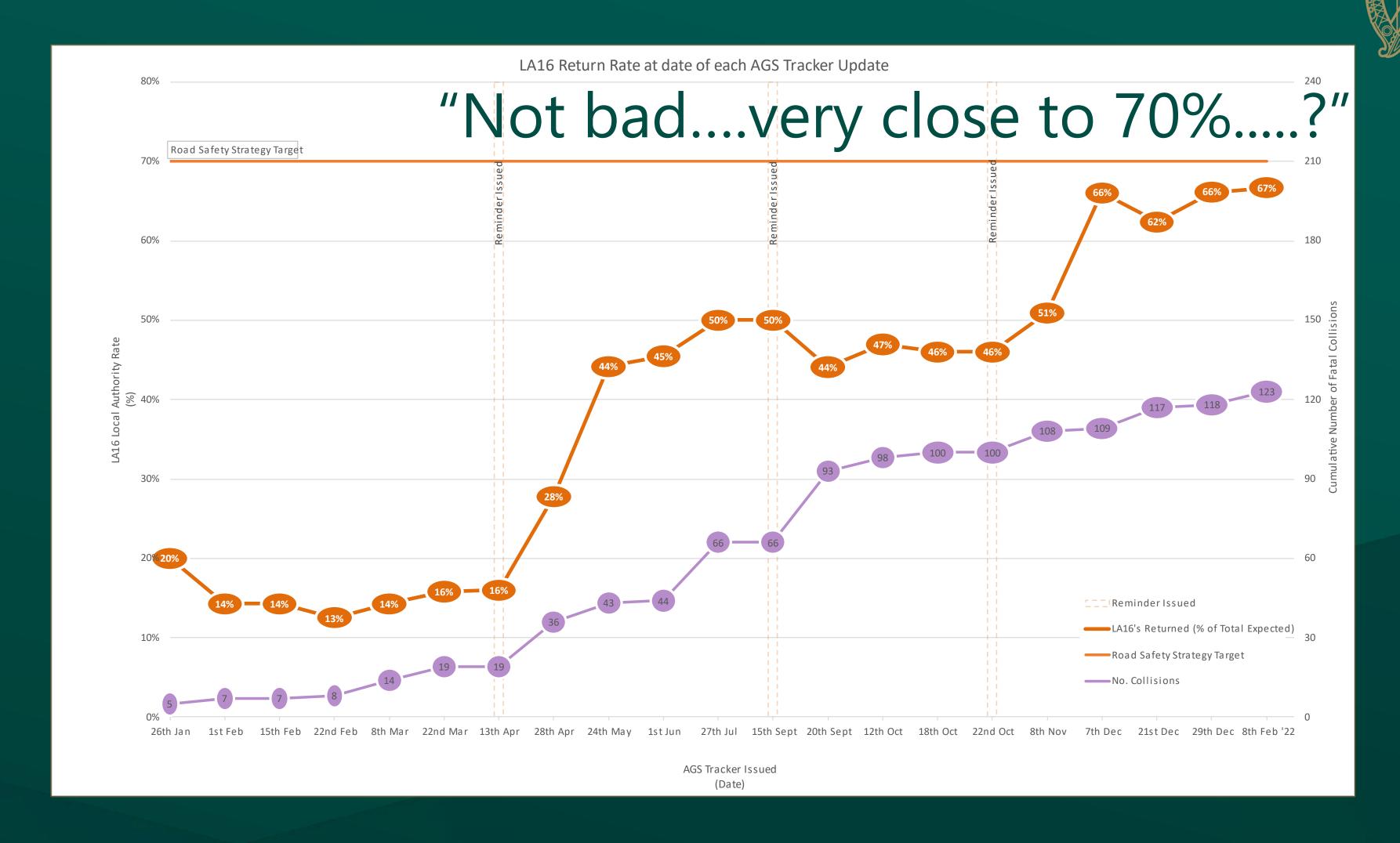
B:

66.7%

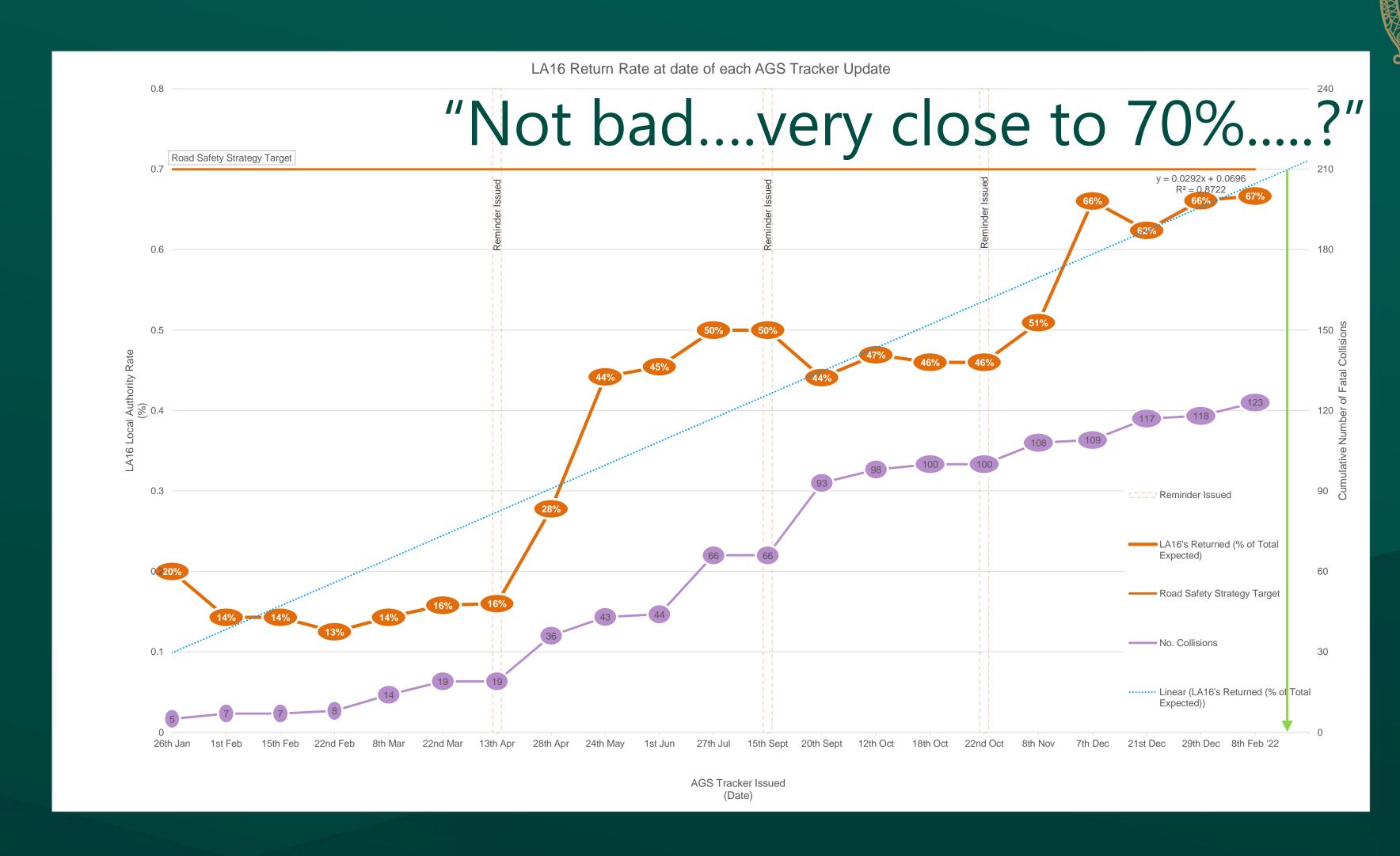
D:

72%

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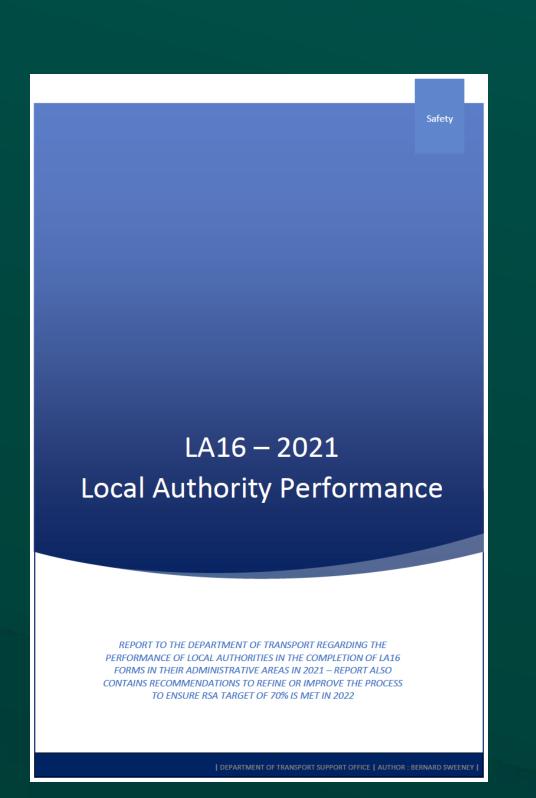
LA16 - 2021 Local Authority Performance REPORT TO THE DEPARTMENT OF TRANSPORT REGARDING THE PERFORMANCE OF LOCAL AUTHORITIES IN THE COMPLETION OF LA16 FORMS IN THEIR ADMINISTRATIVE AREAS IN 2021 – REPORT ALSO CONTAINS RECOMMENDATIONS TO REFINE OR IMPROVE THE PROCESS TO ENSURE RSA TARGET OF 70% IS MET IN 2022



LA16 - 2021 Local Authority Performance REPORT TO THE DEPARTMENT OF TRANSPORT REGARDING THE PERFORMANCE OF LOCAL AUTHORITIES IN THE COMPLETION OF LA16 FORMS IN THEIR ADMINISTRATIVE AREAS IN 2021 – REPORT ALSO CONTAINS RECOMMENDATIONS TO REFINE OR IMPROVE THE PROCESS TO ENSURE RSA TARGET OF 70% IS MET IN 2022



"Not bad....very close to 70%....?"



Collisions = 123

LA16's Returned = 82

∴ Return Rate = **66.7%**

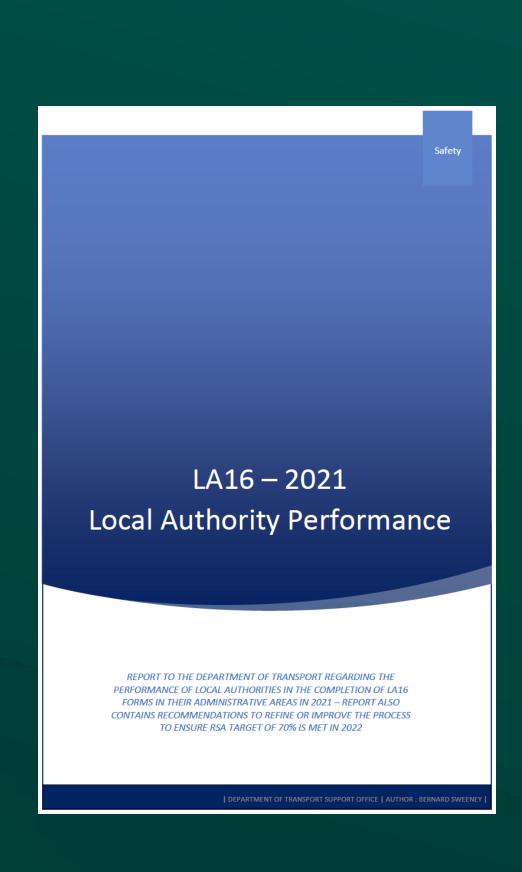
But....(and this is being generous)
Remove 12 Collisions > 100 Days ('Time to Site Meeting')
Return Rate = 57%

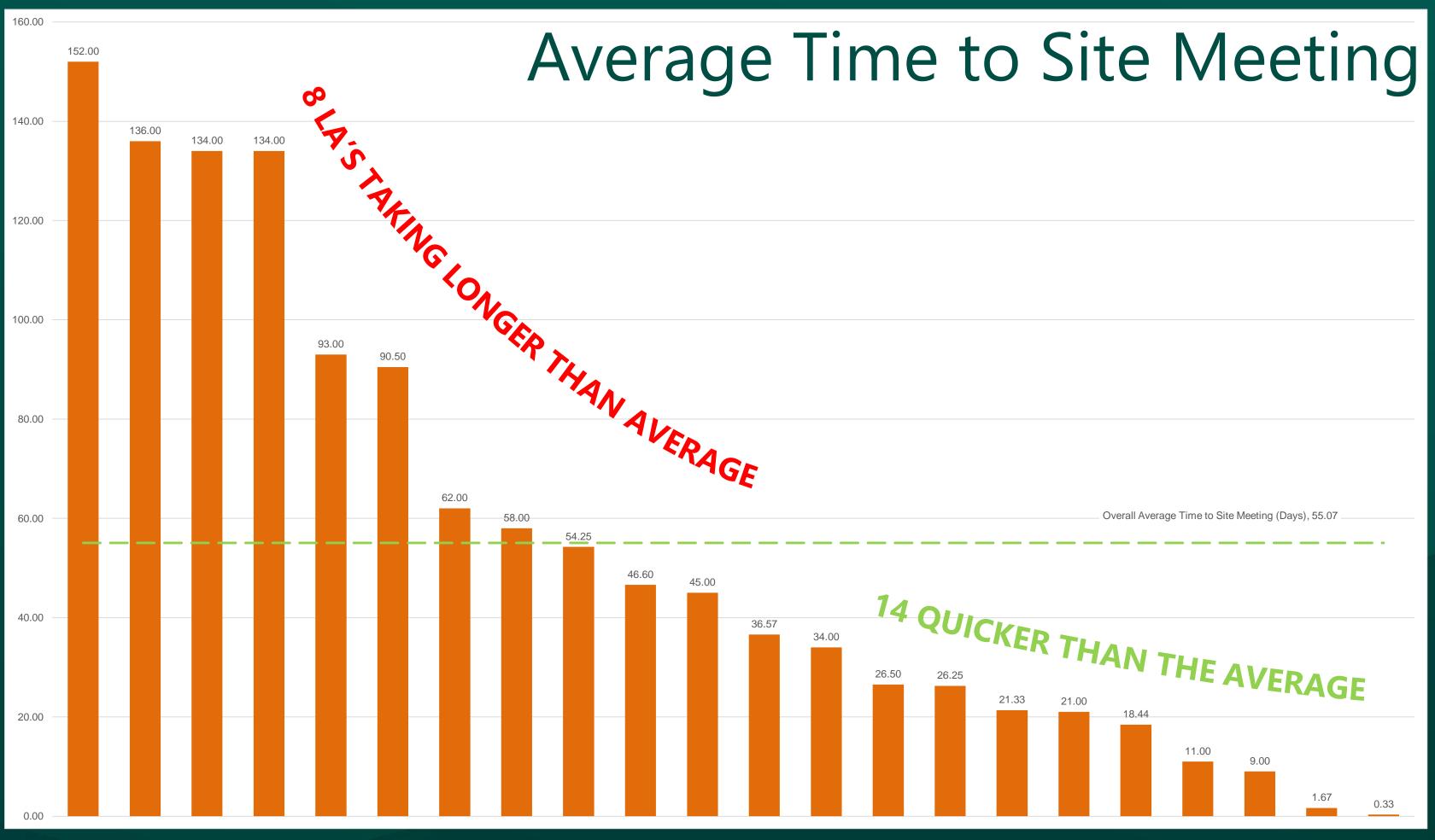
Average 'Time to Site Meeting' = 55 Days

Average 'Time to Submit' = 90 Days

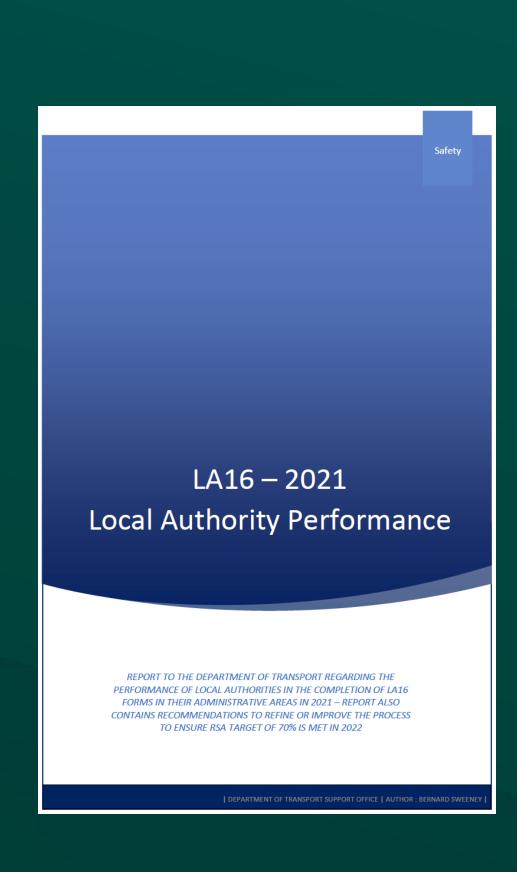


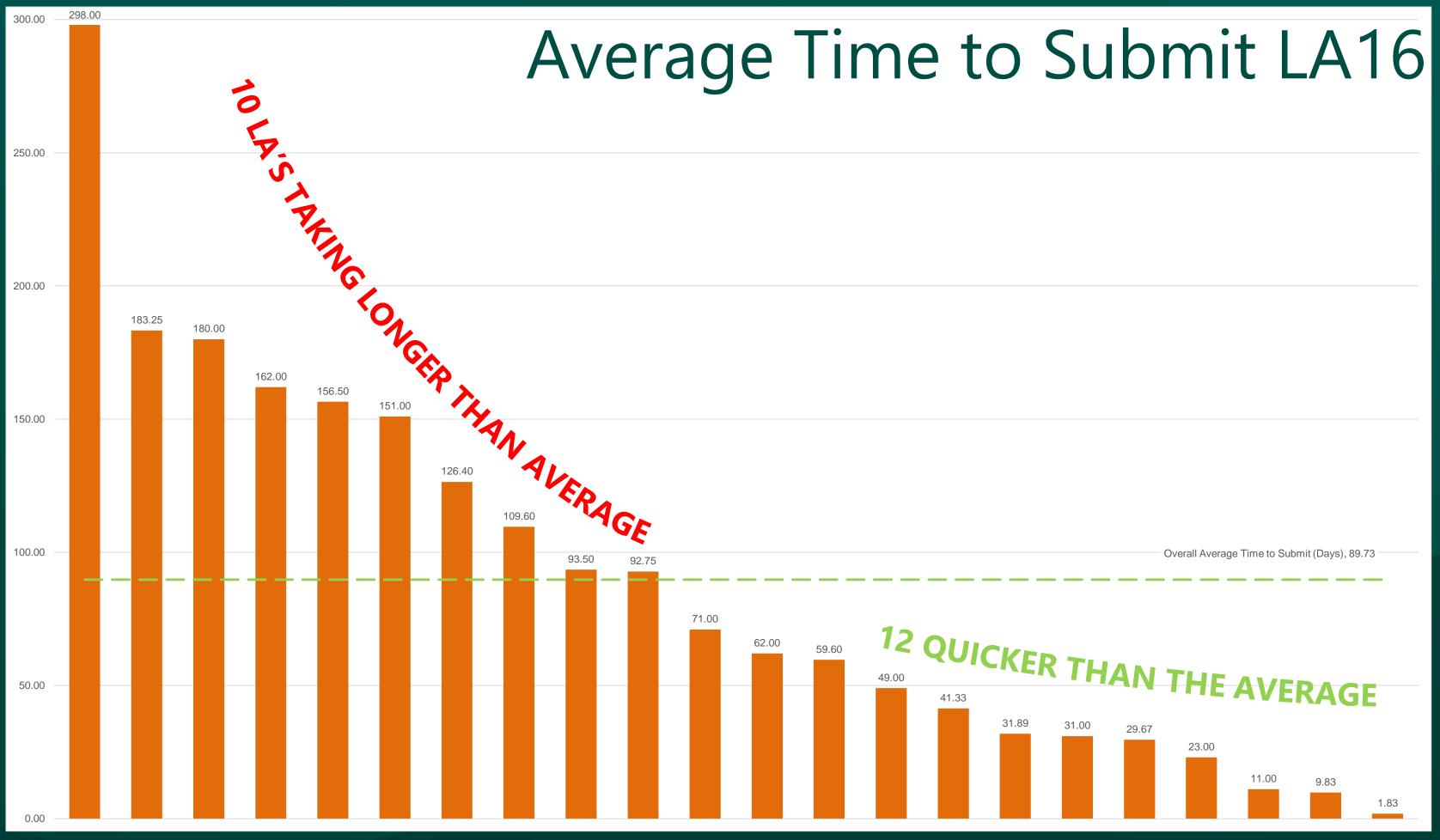






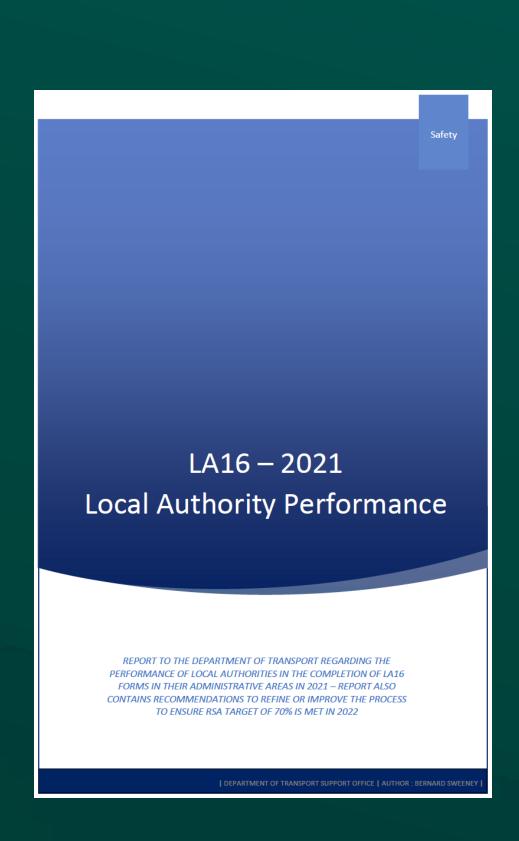


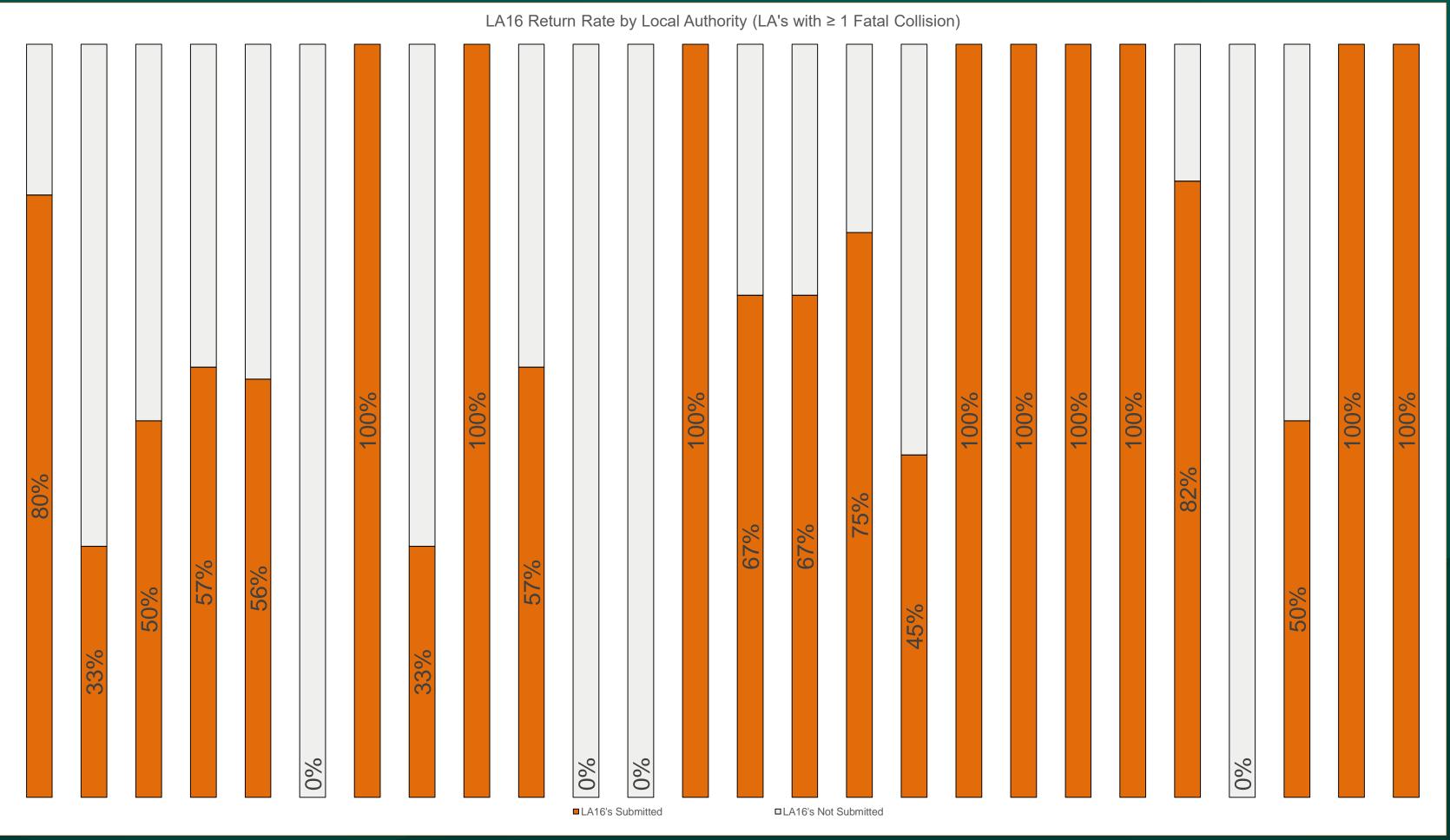




Return Rate by LA



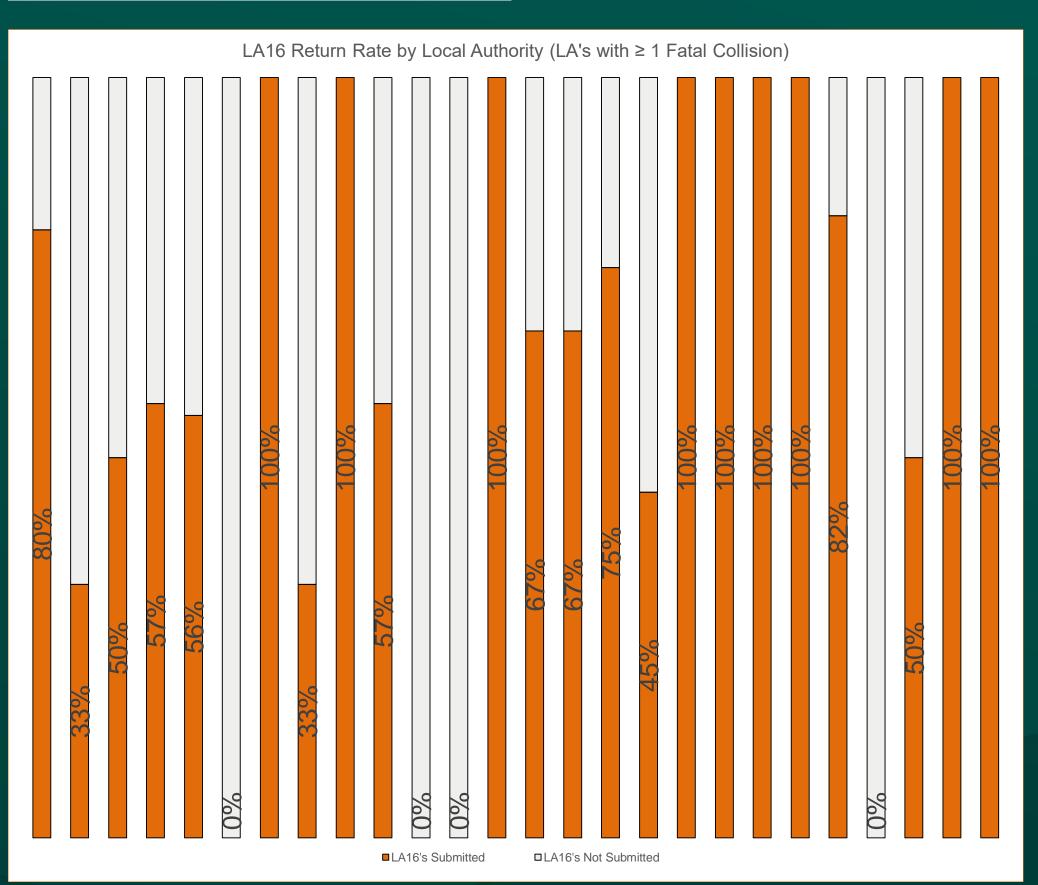








Return Rate by LA



Return Rate	NUMBER of LA's
100%	9
75% - 99%	2
25% - 74%	11
1% - 24%	0
0%	4
Total	26

25% - 74% Return Rate	NUMBER of LA's
51% - 74%	6
40% - 50%	3
25% - 39%	2
Total	11



LA16 - 2021

Local Authority Performance

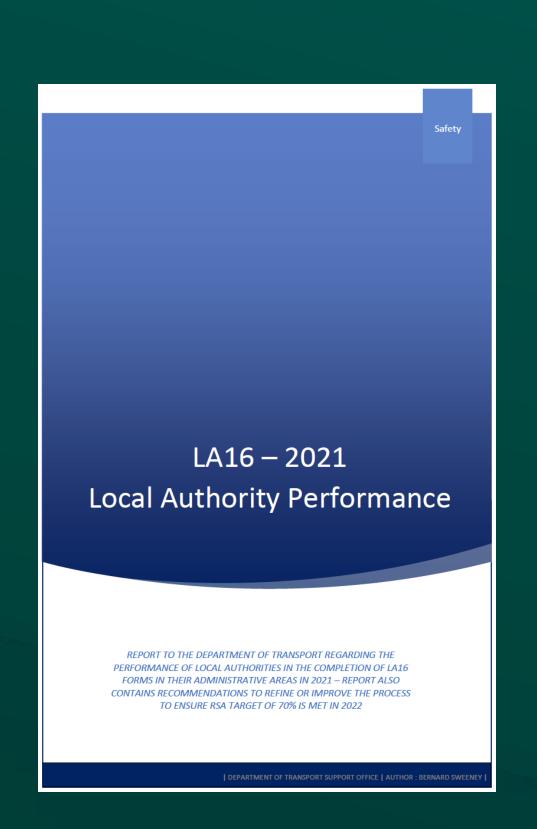
REPORT TO THE DEPARTMENT OF TRANSPORT REGARDING THE
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TO ENSURE RSA TARGET OF 70% IS MET IN 2022

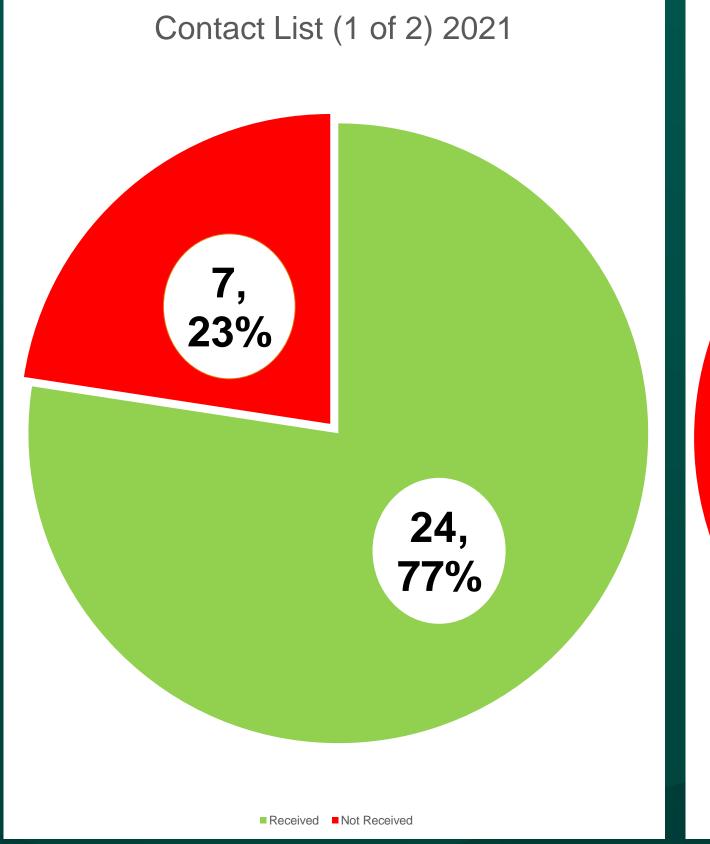


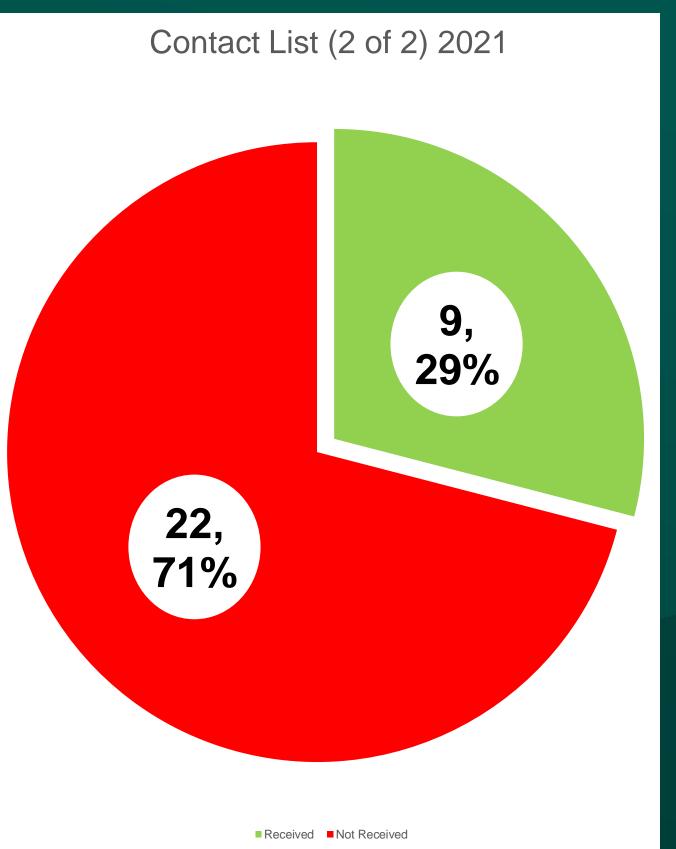




Contact Lists





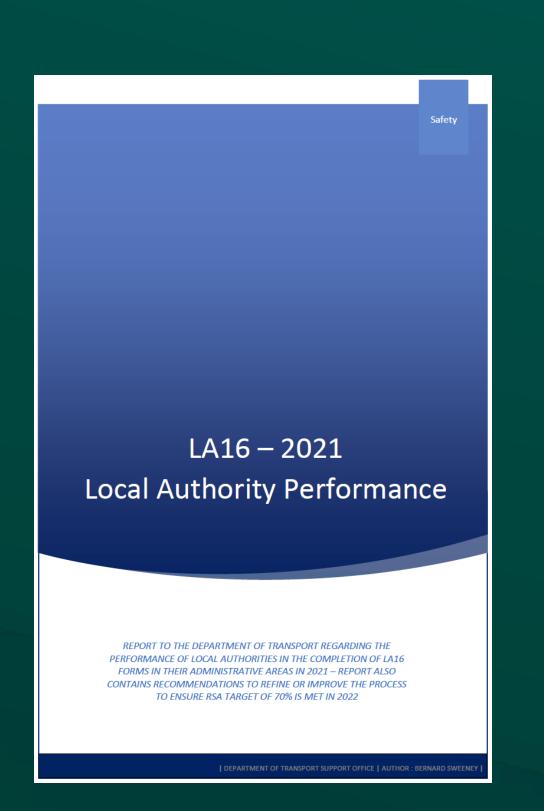








Overall



26 LA's experienced at least 1 Fatal Collision

Of those, 4 didn't return any LA16 Forms

5 LA's didn't return either Contact List, and of those, 2 didn't return an LA16 – No engagement with the process



Why improve?

- 1. Why not complete?; unknowns, collision analysis, respect
- 2. Supplement funding requests
- 3. 100% in Phase 2

How to improve?

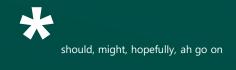
- 3. Manage centrally (Co-Ordinator, e-Mail)
- 4. The 'Big' Reveal.....



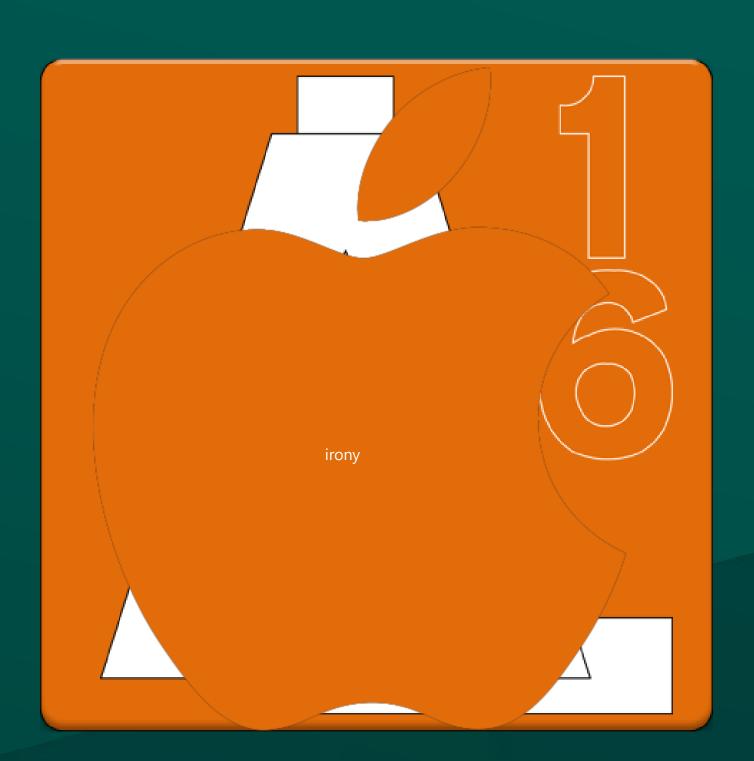


This

Changes

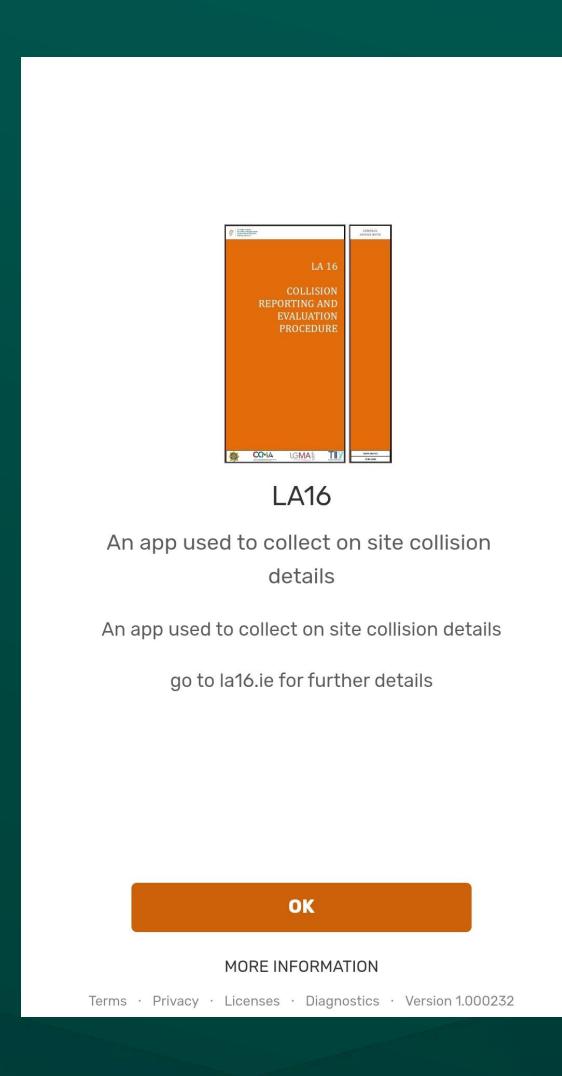


Everything









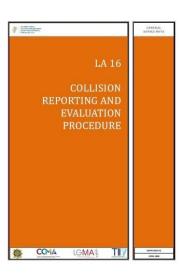
Phone or Tablet Easy to use Offline queue Login with Microsoft or Google credentials Even quicker than the improved .pdf form Device GPS











LA₁₆

An app used to collect on site collision details

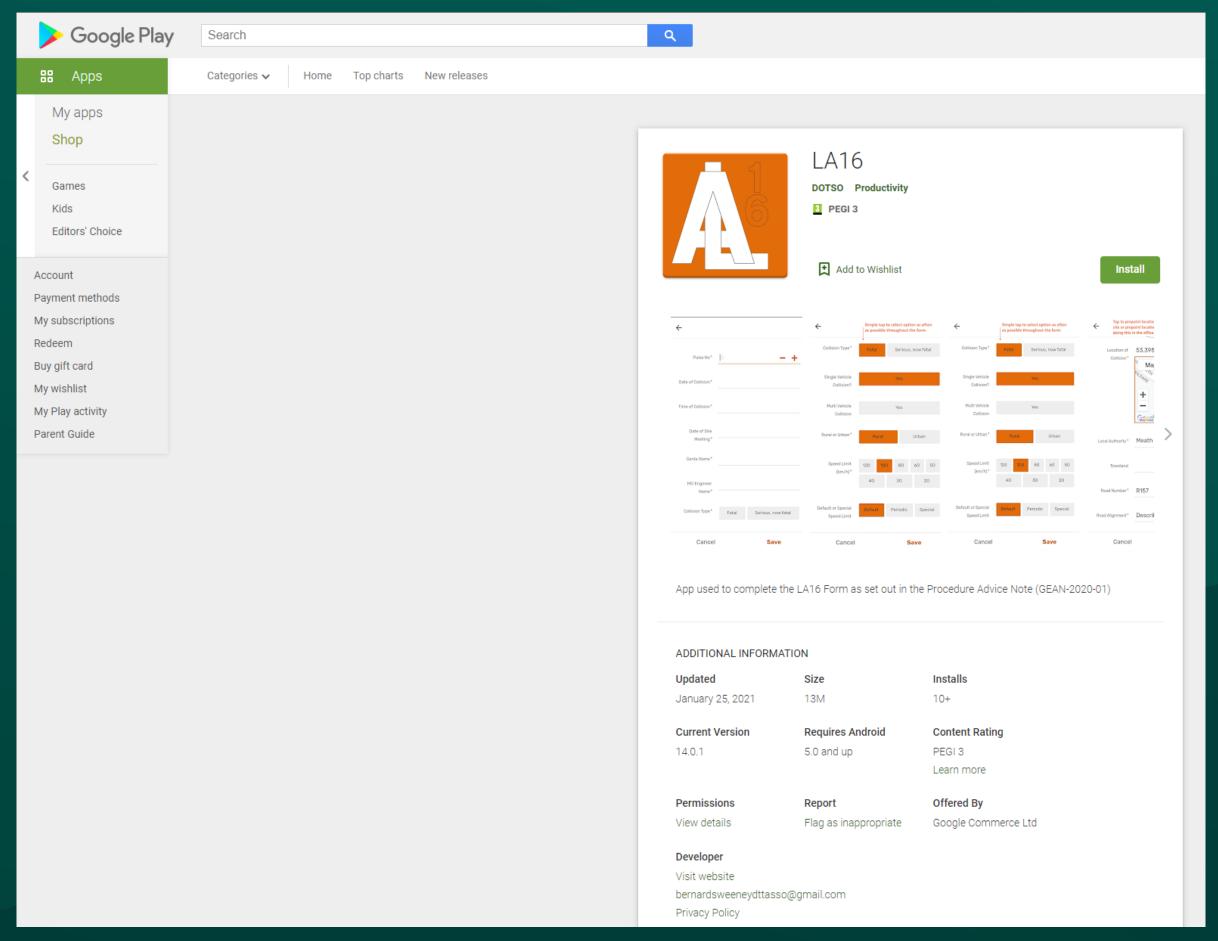
An app used to collect on site collision details go to la16.ie for further details

OK

MODE INFORMATION

Terms · Privacy · Licenses · Diagnostics · Version 1.000232

Phone or Tablet Easy to use Offline queue Login with Microsoft or Google credentials Even quicker than the improved .pdf form Device GPS



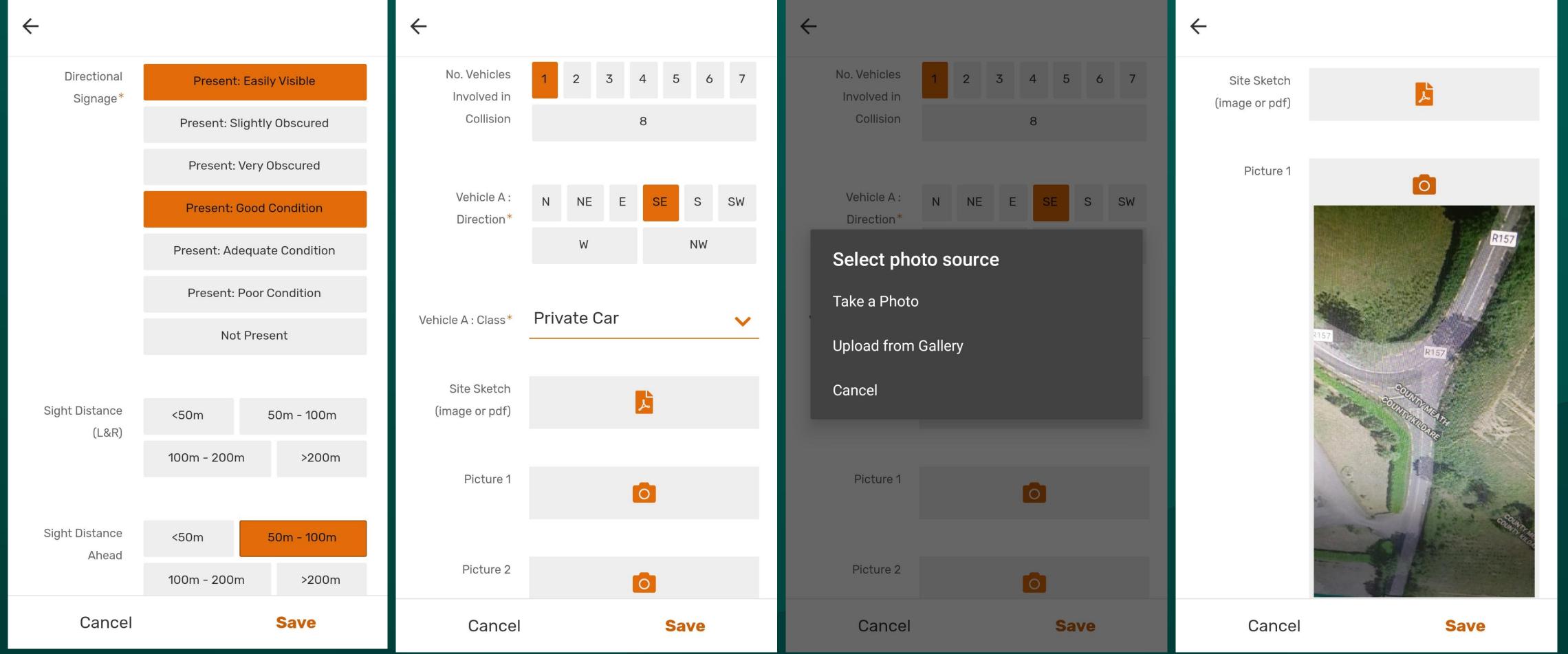




\leftarrow	←		←		←
Pulse No*	Collision Type*	Serious, now fatal	Road environment at	Bend Crossroad	Location of 53.395581, -6.535316 • Collision*
D. I (O. III.) *	Single Vehicle	Yes	or near Collision site*	Mini-Roundabout	Map Satellite
Date of Collision*	Collision?			Other Junction	R157
Time of Collision*	Multi Vehicle	Yes		Pedestrian Crossing (no signals)	
	Collision			Roundabout Series of Bends	Map Data 50 m Terms of Use
Date of Site Meeting*	Rural or Urban*	Rural Urban		Sharp Corner	Local Authority* Meath County Council
Condo Nomo *				Staggered Crossroad Straight	
Garda Name*	Speed Limit 120 (km/h)*	100 80 60 50		T-Junction Traffic Lights	Townland
MD Engineer	40	20		Other	
Name*			Road Width (In 6.	.5 — +	Road Number* R157
Collision Type* Fatal Serious, now fatal	Default or Special Speed Limit	ault Periodic Special	meters, up to 2 decimal places)*		Road Alignment* Describe the Alignment
			desirial places		
Cancel Save	Cancel	Save	Cancel	Save	Cancel Save











Trialled in 3 Local Authorities

LA16 COLLISION REPORTING AND EVALUATION PROCEDURE

1. INTRODUCTION

An updated LA16 Collision Reporting and Evaluation Procedure has been prepared; this includes an updated electronic LA16 form and a new Android Application. Due to the nature of the changes, and additions to the procedure, consultation with interested parties was deemed necessary. This consultation took place at the end of Summer 2020 with comments and feedback sought from Transport Infrastructure Ireland (TII), the Roads Management Office (RMO) and An Garda Síochána (AGS). Currently, only commentary from An Garda Síochána (AGS) is awaited.

While awaiting comments from AGS it is recommended that the following actions are carried out as they will not be impacted by any outstanding feedback.

2. RELEASE UPDATED ELECTRONIC .pdf FORM

To ensure consistency of the information recorded by Local Authorities it is recommended that the Department of Transport releasees the updated form to Local Authorities (Roads Senior Engineers and Directors of Services) immediately to ensure all Local Authorities are using the updated LA16 electronic form from 1st January 2021.

This will greatly assist in the addition of the captured data to the database that the Android Application will populate; the current form is not fully compatible with this database (due to additions made to the form) - the database supports the Application and enables a straightforward export of the recorded data to the MapRoad PMS system.

It will eliminate the need to manually input data from the existing form in the new database and will ensure there are no gaps in the data in the database.

It will also ensure that from January 1st 2021 all LA16 forms are submitted to the new address, SUBMIT@LA16.IE.

Pilot Of Updated Electronic Form And Android Application

3. TRIAL NEW LA16 APPLICATION IN LOCAL AUTHORITIES

It would be desirable to initially trial the Application in two or three Local Authorities with the Support Office providing support if necessary, for a period of 3 months (1st Quarter 2021), to properly test the Application.

The Application will only be made available to Local Authority staff; AGS will not need access to it, the form/app is to be completed by the Municipal District Engineer and should be installed on the existing Tablets Local Authorities use for the Pavement Surface Condition Index (PSCI), Bridge Asset Management System (BAMP) etc.

Which Local Authorities

The Application will only be used a couple of hundred times a year (most likely less than this) and is only used at the site of a fatal collision, therefore, to determine where to trial the use of the Application, it was necessary to determine the most likely locations of fatal collisions in the first quarter of 2021. Collision data available on MapRoad PMS was analysed as follows;

The dataset goes back to 1990, however, Donegal County Council data only goes back to 2009 so, for that reason, the data used for the analysis spans the period 2009-2017.

A. The <u>average number of fatalities</u> per Local Authority for Jan, Feb and March for the years 2009-2017 is 4.3. Local Authorities equal to or exceeding this number are;

Galway County Council	9.7
Cork County Council	9.3
Tipperary County Council	8.7
Meath County Council	7.7
Limerick City and County Council	7.3
Kildare County Council	6.0
Kerry County Council	6.0
Mayo County Council	5.3
Roscommon County Council	4.7
Laois County Council	4.7
Donegal County Council	4.3

B. The average <u>number of fatalities</u> per Local Authority for January only, for the years 2009-2017, is 4.4. Local Authorities equal to or exceeding this number are;

Tipperary County Council	10
Cork County Council	10
Kildare County Council	9
Limerick City and County Council	8
Monaghan County Council	7
Meath County Council	7
Galway County Council	6
South Dublin County Council	5
Louth County Council	5
Laois County Council	5
Donegal County Council	5

 Scores are then assigned from 11 to 1 (worst to best) per Local Authority for both scenarios above (Tables 1 & 2) and averaged to produce the following;

Average Scores - Local Authorities in Tables 1 and 2

Cork County Council	10
Tipperary County Council	10
Galway County Council	8
Kildare County Council	7.5
Limerick City and County Council	7.5
Meath County Council	7
Monaghan County Council	3.5
Kerry County Council	2.5
Laois County Council	2
South Dublin County Council	2
Mayo County Council	2
Louth County Council	1.5
Roscommon County Council	1.5
Donegal County Council	1

Average Scores - LA's Common to Tables 1 and 2;

Cork County Council	10
Tipperary County Council	10
Galway County Council	8
Kildare County Council	7.5
Limerick City and County Council	7.5
Meath County Council	7
Laois County Council	2
Donegal County Council	1

Ranking - Average of Common and Single Score Local Authorities;

Cork County Council	10
Tipperary County Council	10
Galway County Council	8
Kildare County Council	7.5
Limerick City and County Council	7.5
Meath County Council	7
Monaghan County Council	7
Kerry County Council	5
South Dublin County Council	4
Mayo County Council	4
Louth County Council	3
Roscommon County Council	3
Laois County Council	2
Donegal County Council	1

This doesn't substantially affect the order at all.

D. From the Dataset, 29 Fatal Collisions have occurred in the first week of January, in the following 18 Local Authority Areas with Local Authorities appearing in Table 5 highlighted in **bold and** ranked by earliest to latest time of Day, by Day;

Donegal County Council	
Cavan County Council	
Limerick City and County Council	
Louth County Council	
Mayo County Council	
Tipperary County Council	
DLR County Council	
Fingal County Council	
Kilkenny County Council	
Meath County Council	
Kerry County Council	
Monaghan County Council	
Galway County Council	
Wicklow County Council	
Sligo County Council	
Kildare County Council	
Tipperary County Council	
Longford County Council	
able 6	

Local Authorities common to Table 5 and Table 6, ranked by earliest time and date are;

Donegal Co	ounty Council		
Limerick C	ty and Count	y Council	
Louth Cou	nty Council		
Mayo Cou	nty Council	S NOT	
Tipperary (County Count	il	
Meath Cou	inty Council		
Kerry Cour	nty Council		
Monaghan	County Cour	ncil	
Galway Co	unty Council		
Kildare Co	unty Council		

Finally, ranking Local Authorities in Table 7 by their previous average scores produces the following list;

Tipperary County Council	10
Galway County Council	8
Kildare County Council	7.5
Limerick City and County Council	7.5
Meath County Council	7
Monaghan County Council	7
Kerry County Council	5
Mayo County Council	4
Louth County Council	3
Donegal County Council	1

Local Authorities proposed for early access to LA16 Application for trial are

- Tipperary County Council
- Galway County CouncilKildare County Council



CIRCULATE THE 'LOCAL AUTHORITY & AN GARDA SÍOCHÁNA CONTACT LIST' FORM TO LOCAL AUTHORITY SENIOR ENGINEERS

The updated LA16 Procedure contains a new standardised contact details form that must be updated at 6-monthly intervals containing the details of the Local Authority and AGS personnel involved in the LA16 process. The responsibility for the completion of this form lies with the Local Authority.

Current details of LA and AGS contacts may be out of date, personnel may have moved departments, etc. It should be managed on an ongoing basis by Local Authorities but there is no way of knowing how well this is working at the moment.

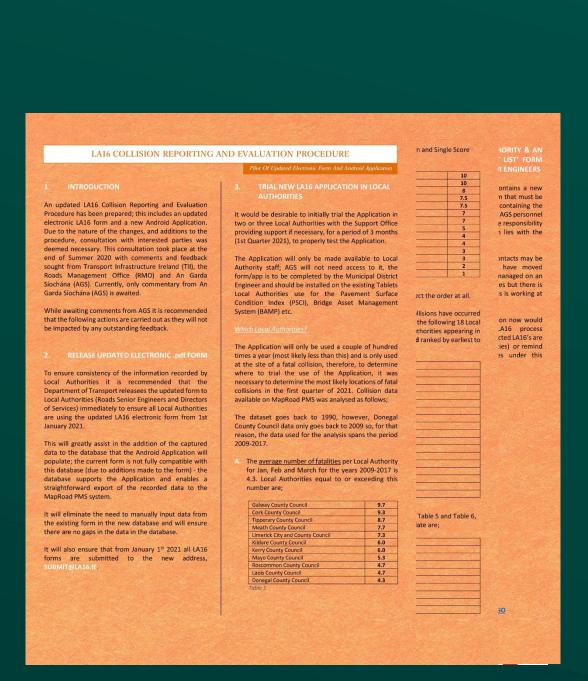
Releasing the form for completion now would reignite interest in the LA16 process (approximately only 60% of expected LA16's are being returned by Local Authorities) or remind people of their responsibilities under this process.

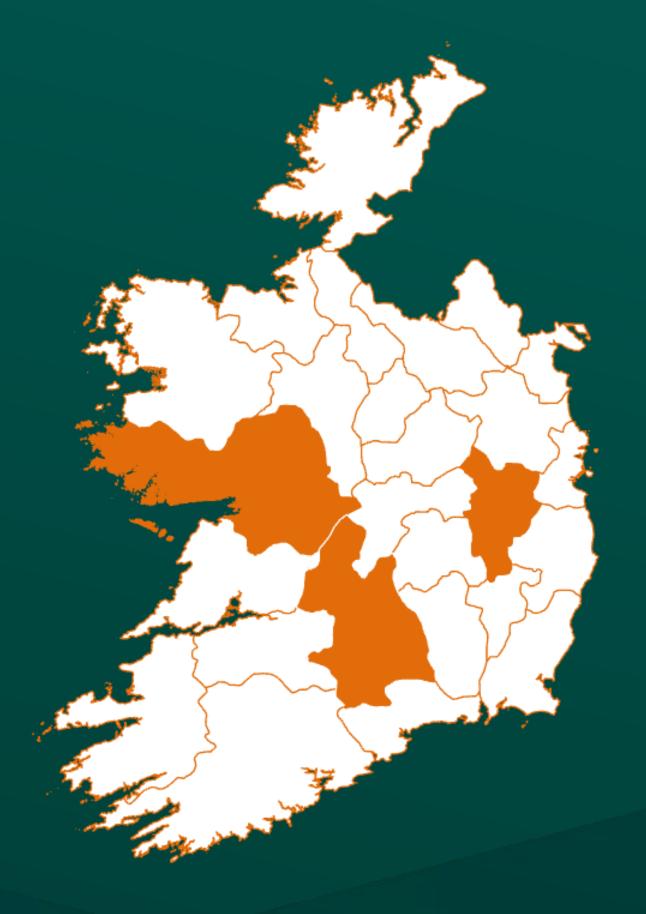
Collision Data can be seen here GO

www.la16.ie (not live yet)



Trialled in 3 Local Authorities





1st Fatality in Kerry

1st Fatality in Tipperary









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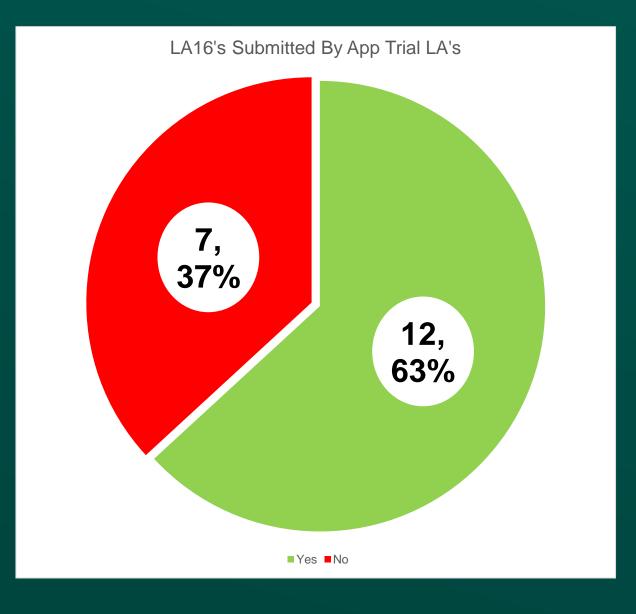
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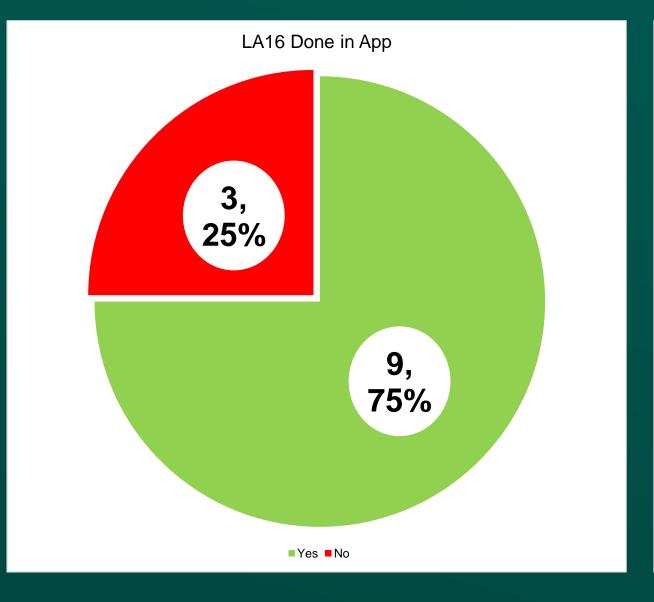
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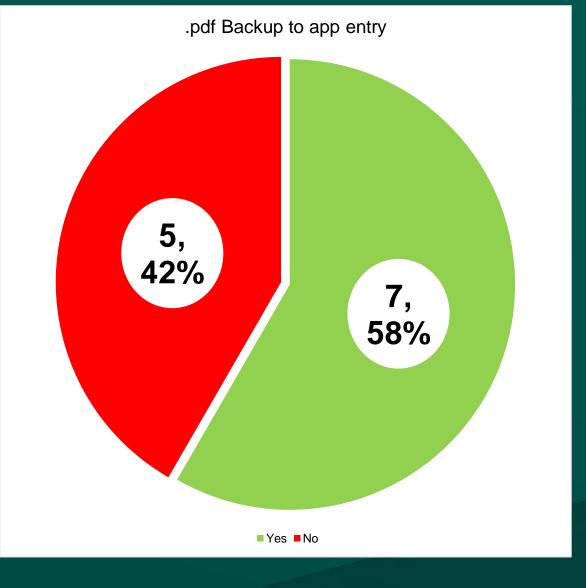
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Return Rates











Documents Android App Submit

www.la16.ie



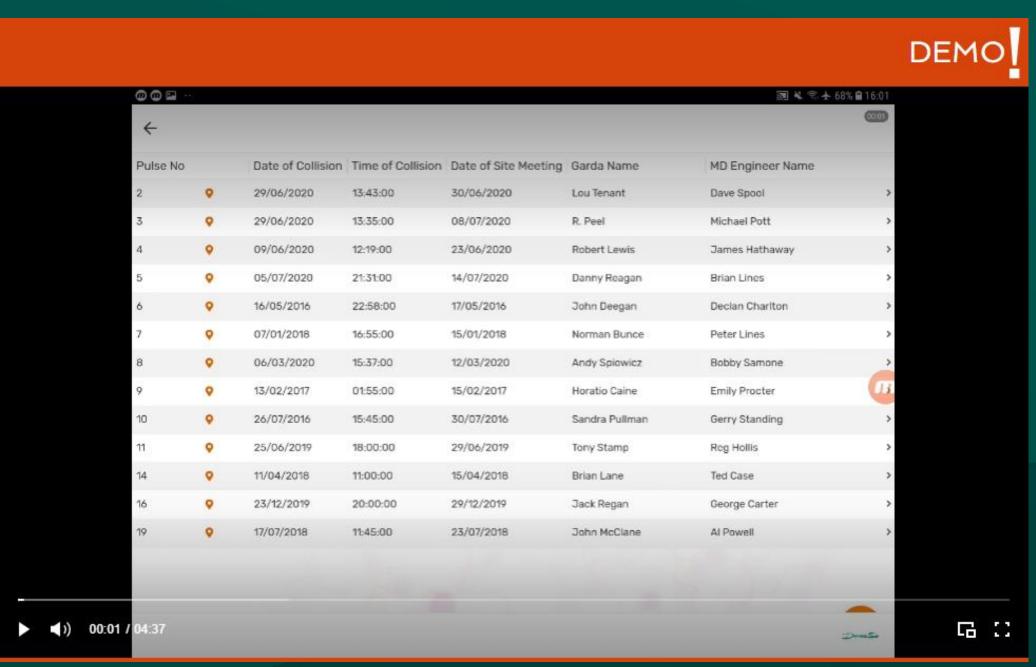
What is LA16?

The LA16 – Collision Reporting and Evaluation Procedure is a protocol set up between Local Authorities and An Garda Síochána with support from the Department of Transport, the CCMA, the LGMA and TII for the collection of data at fatal collision sites. The data collected is for statistical purposes only and does not form any part of the Forensic Collision Investigation.

The completion of LA16 forms for at least 70% of fatal collisions is an Action (no61) of the Road Safety Strategy 2021-2030 - PHASE 1 ACTION PLAN 2021-2024







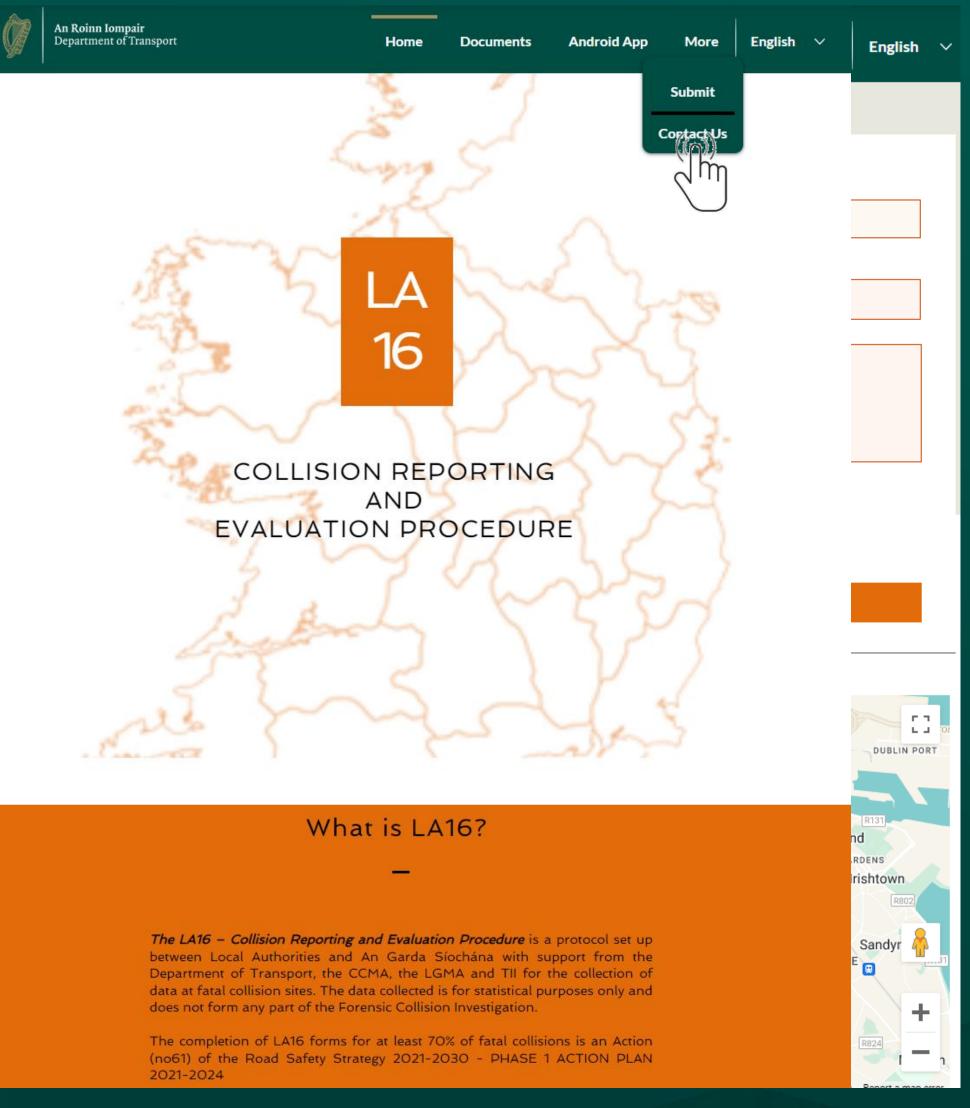
















ADVICE NOTE

The purpose of the Advice Note is to provide guidance in the use of the LA16 – Collision Reporting and Evaluation Procedure Form and has been prepared as an update to the previous LA16 procedure introduced in 2007.

This Advice Note also contains a flowchart of the process, assigns responsibilities and outlines oversight arrangements.

The updated LA16 and Contact List forms were issued to Local Authorities under Circular letter RW 18/2020 (available here).

The Advice Note (GEAN-2022-01) was published in May 2022.

Collision Reporting and Evaluati Procedure GENERAL ADVICE NOTE GEAN 2022 21

An Roinn Iompair Department of Transport

FORMS

ownload; right-click and 'save target' and open in Adobe, not in a web-browser, as some features of the forms may not function as intended.

LA16 FORM

Download File

Report Form

Download File

Download File

Download File

OTHER

Data Dictionary

- M Initial Contact
 - 3 Days
- Time to Site Meeting
 - 15 Days
- Time to Submit
 - 30 days
- LA16 e-Mail address
- Appoint Co-Ordinator
- Contact Lists
- M Application







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FORMS

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LA16 FORM Download File 👃

Report Form

Download File 👃

Contact List Form

Site Sketch Template



Jownload File \downarrow

OTHER

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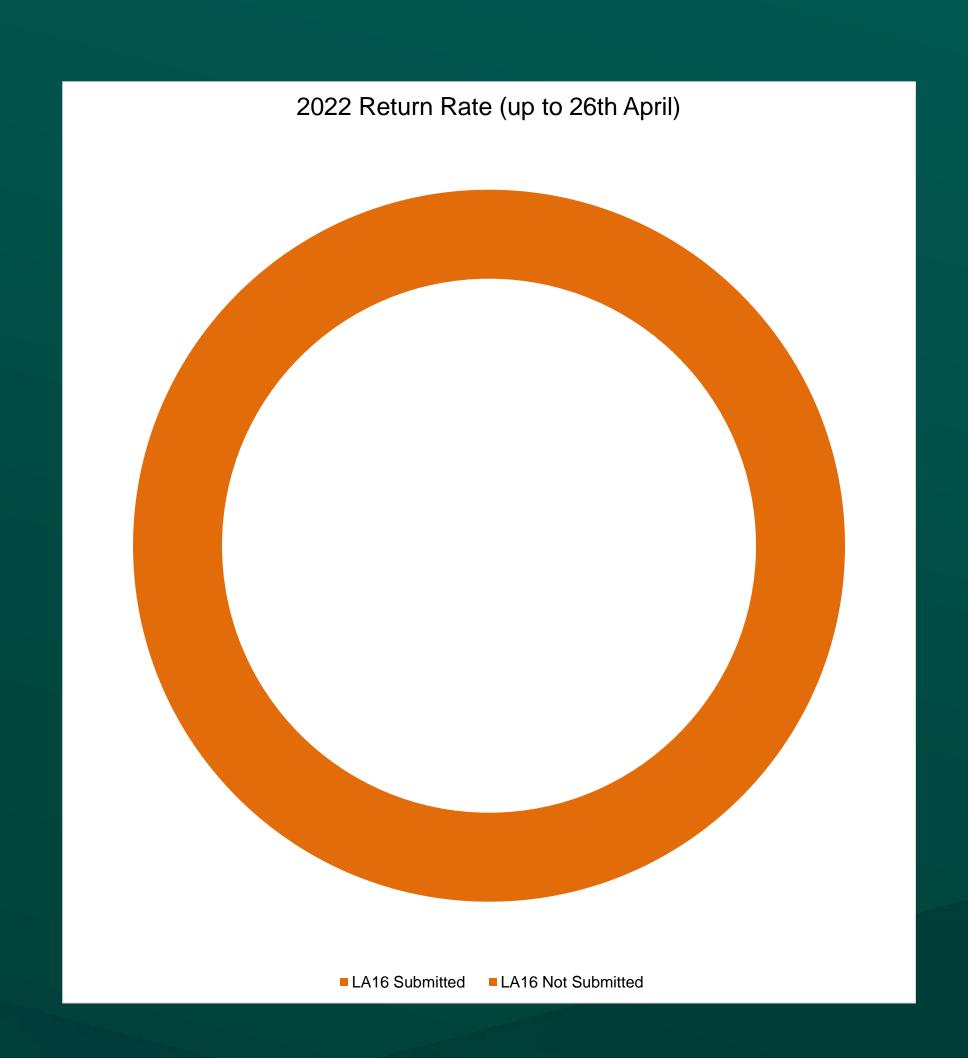
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- Application
- M Flowchart







So far in 2022





LA16's Submitted

LA16's Not Submitted

Return Rate

Average Time to Site Meeting

Average Time to Submit

Local Authorities

Local Authorities Submitting

Local Authorities Not Submitting



One more slide.....





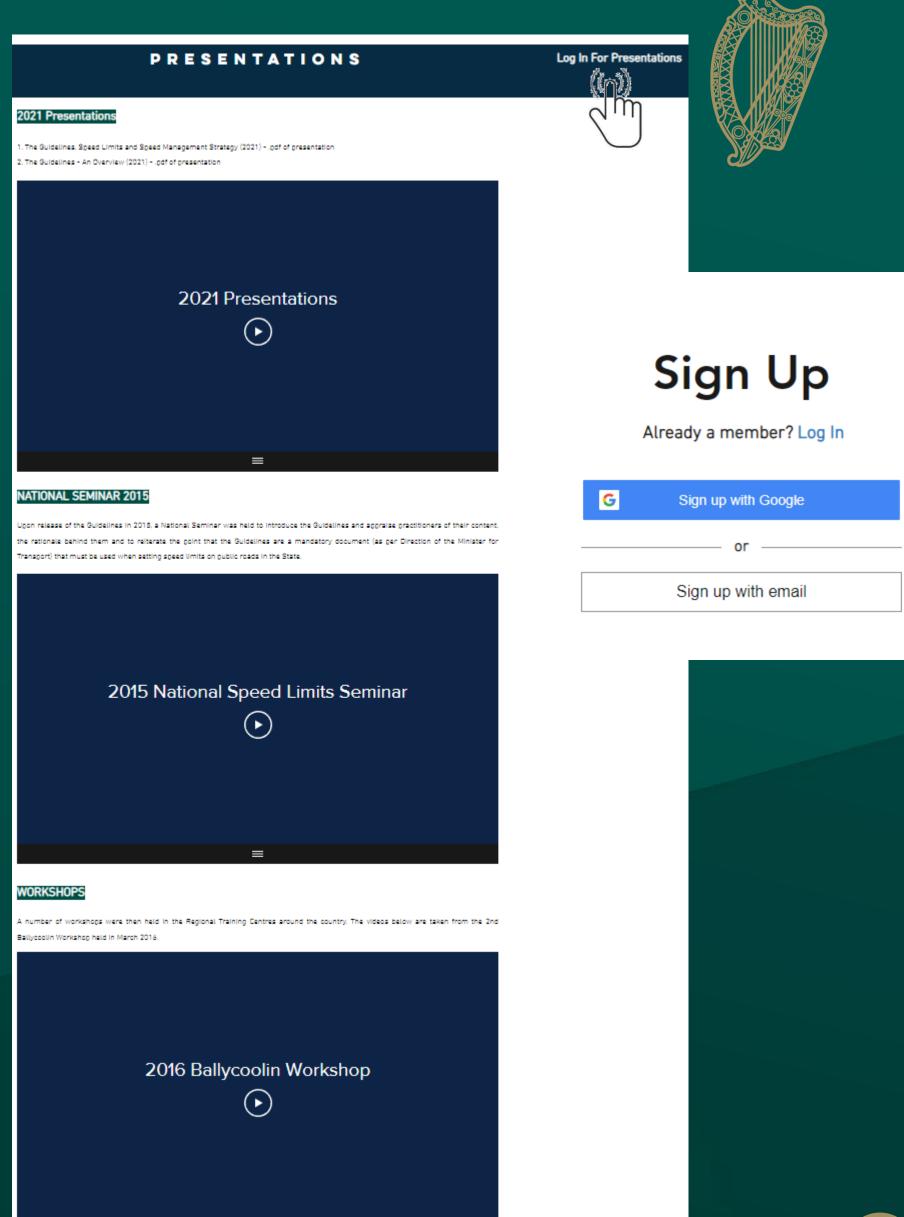
One more slide.....



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Register and watch the presentations





Íoslódáil an app anois





Go raibh maith agat

Bernard Sweeney | Department of Transport Support Office | Kildare County Council

bsweeney@dotso.ie 045-988 951 087-278 9617 www.speedlimits.ie www.trafficsigns.ie www.roadguidelines.ie www.la16.ie www.dmurs.ie