

DfT Road Length Reporting

An update on using Local Highway Authority Data to improve the process

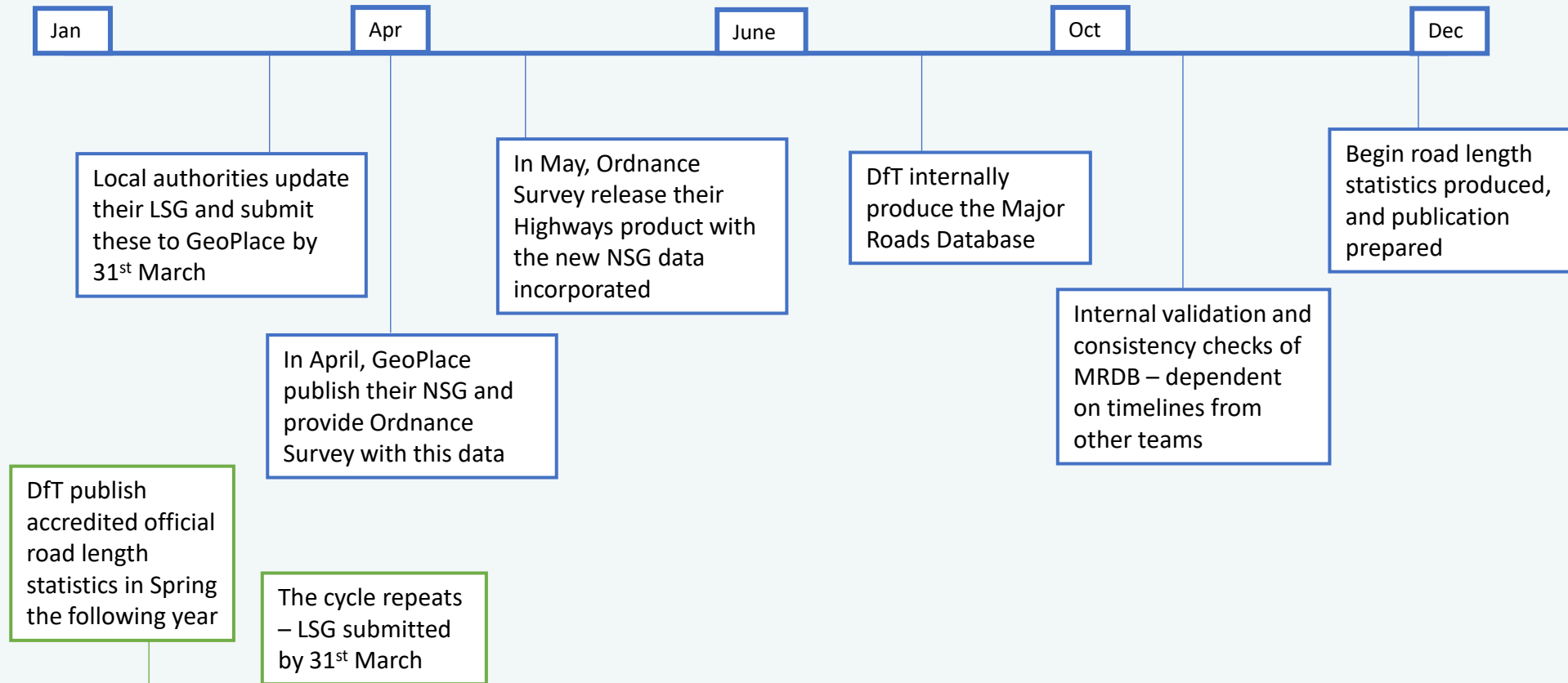


Introduction – current process

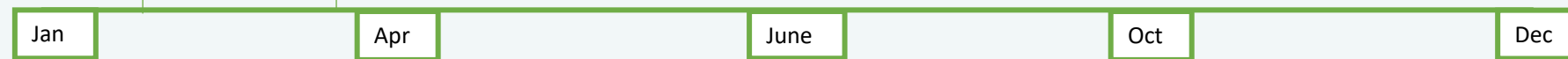
- The Department for Transport publishes road length statistics in Great Britain on an annual basis. The data is based on a snapshot of the road network as of April each year.
- R199b consultation held every 4 years
- Growth factors calculated from OS Highways in years without R199b
- Road length statistics are used primarily to feed into statistical calculations and budget allocations

From Local Authorities to DfT publication

Year 1



Year 2



Department for Transport



Vision

A single authoritative network that replaces the R199b consultation.

- Data taken directly from OS Highways (and then NGD in future years) on annual basis
- Single authoritative data source for road length

Benefits:

- Utilising existing process to reduce burden
- Maintain LAs as the primary source

What has been achieved to date?

Road Classification Review

Region	Difference	
	Classification Number Different Length (km)	Classification Different Length (km)
South West	- 1,181	- 984
East of England	- 1,445	- 914
South East	- 1,644	- 1,000
North West	- 1,619	- 1,053
North East	- 349	- 210
East Midlands	- 997	- 654
West Midlands	- 9,173	- 521
Yorkshire and the Humber	- 776	- 539
Greater London	- 600	- 375
Wales	- 781	- 563
All	- 18,565	- 6,812



Data Improvements

- Street Lifecycle
- Streets through buildings



Changes to DfT methodology

Currently unable to separate C and Publicly Maintainable U roads without R199b

Phase 1: Prototype

1. Analyse LA breakdown of data types (using ASD)
2. Process non geometry data
3. Process polygon data
4. Process points and lines data

Phase 2: Making it operational

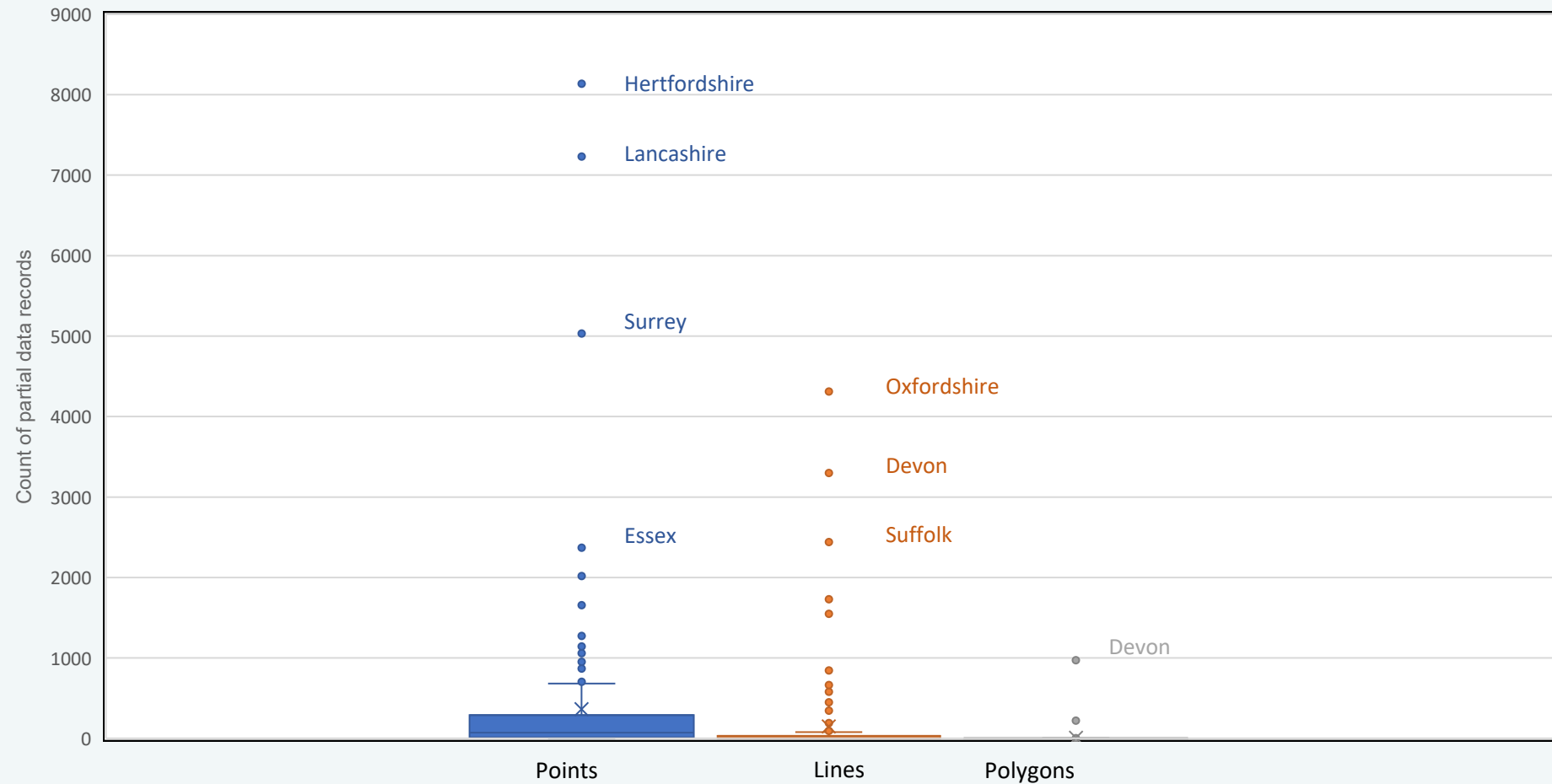
1. Finalise methodology
2. Combine workbenches
3. Dual run production of statistics
4. Identify and work with LA with large expected differences

Phase 3: Business as usual

1. Annual delivery
2. Adapt to change only updates
3. Data validation checks



Analysis of LA data types



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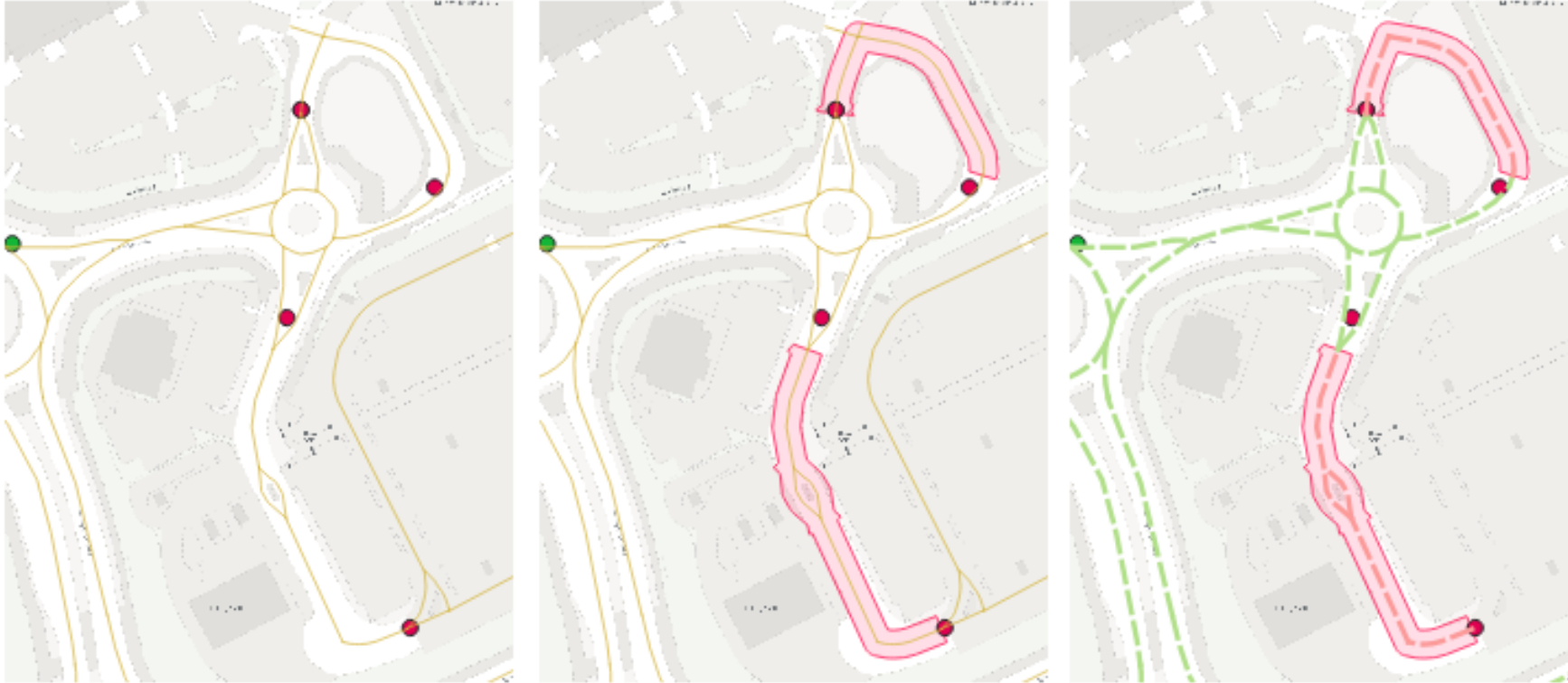
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Spatial Analysis



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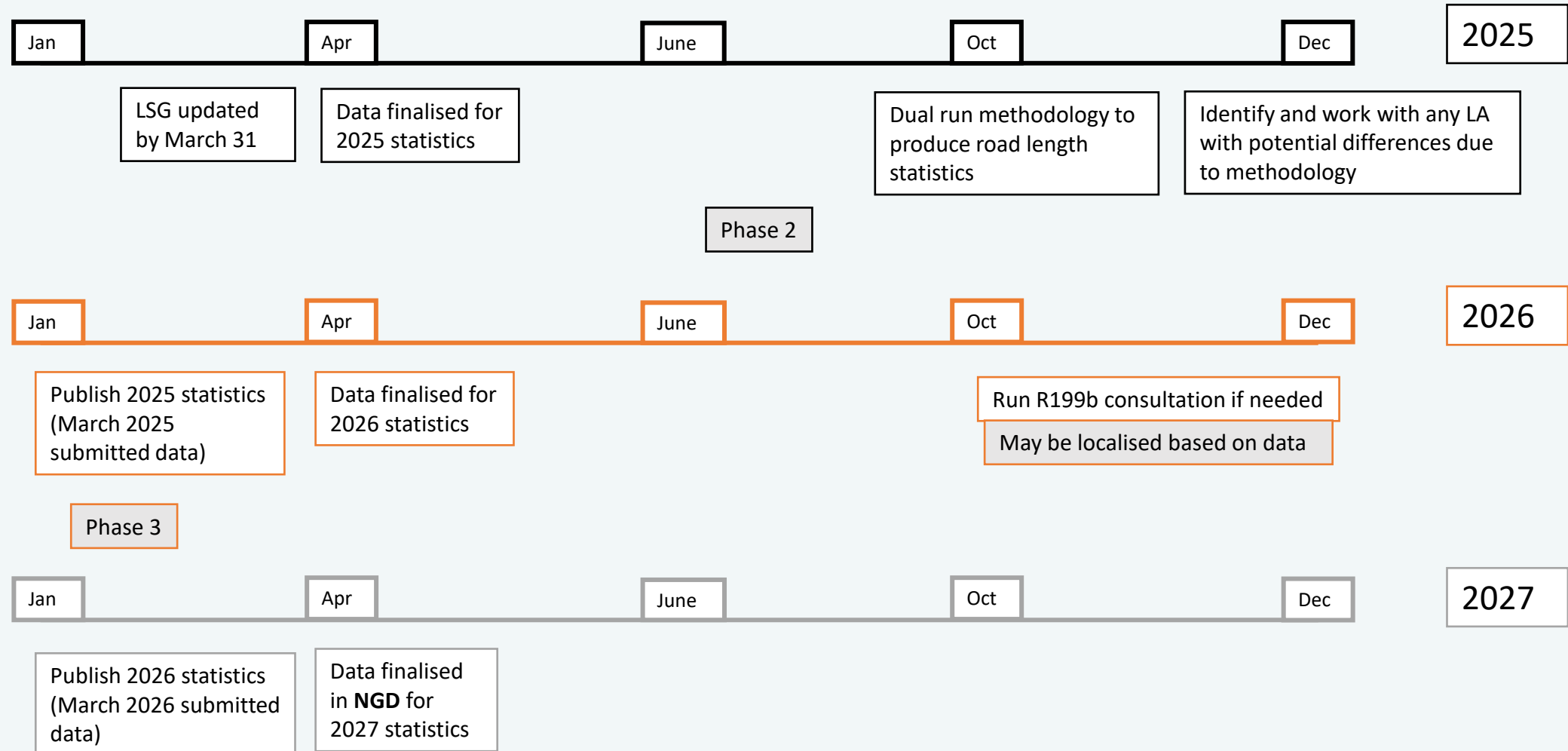
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What next?

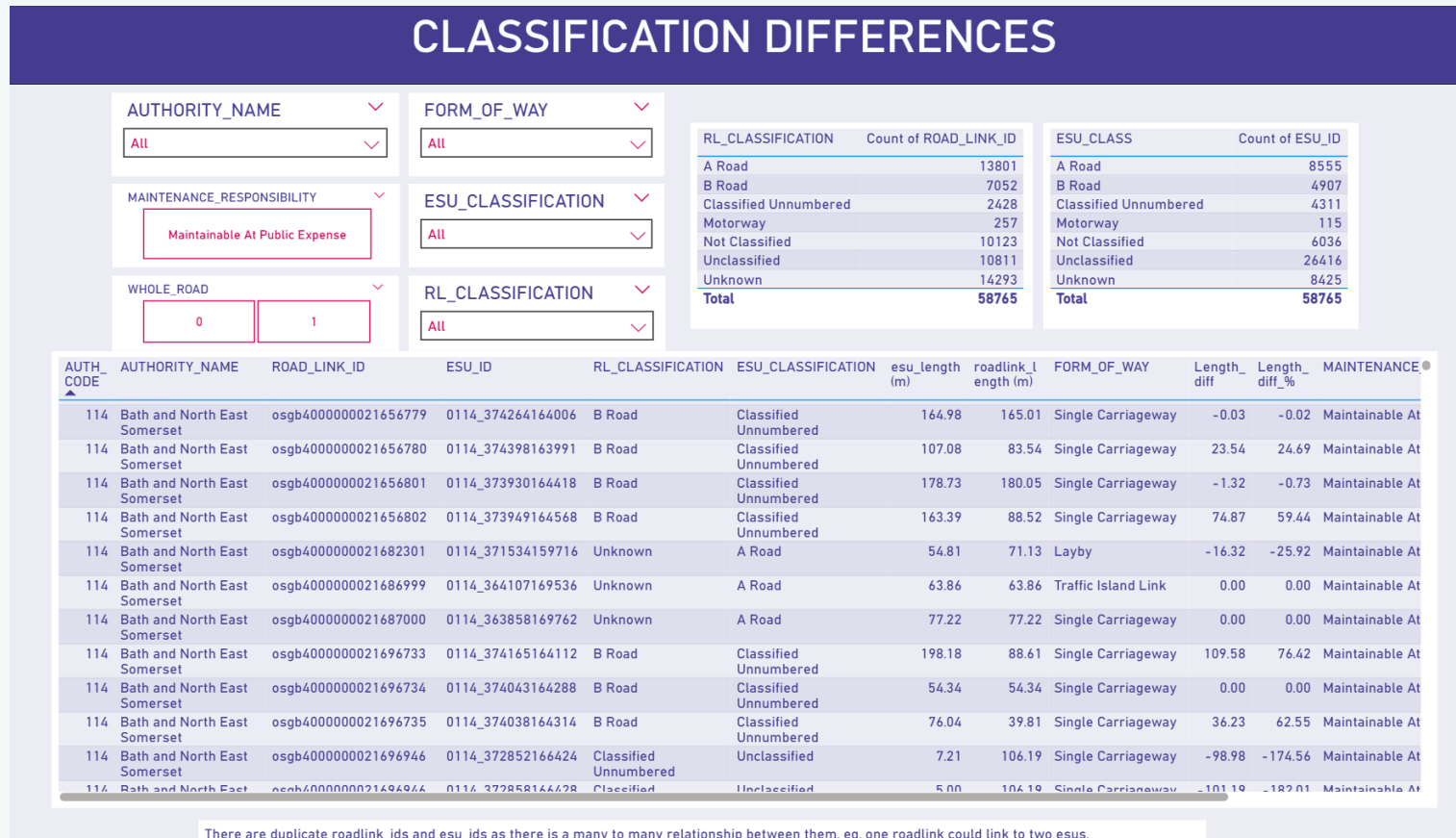
And how are we helping?

Timeline



Data Dashboard

- Ordnance Survey has developed a dashboard to monitor and analyse discrepancies between the National Street Gazetteer and OS MasterMap Highways



OS & GeoPlace Streets Market Review

- We reviewed the following areas

Matching
Options

Specification
Differences
Review

How we can
establish
future Data
Alignment

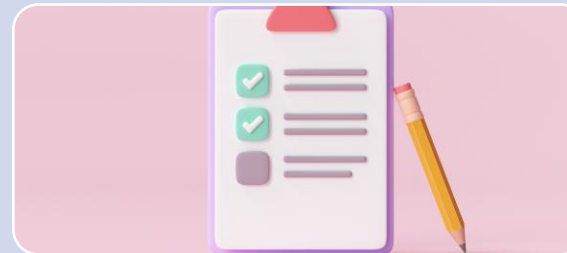
What future
Product
Alignment
might look
like



OS & GeoPlace Classification Differences



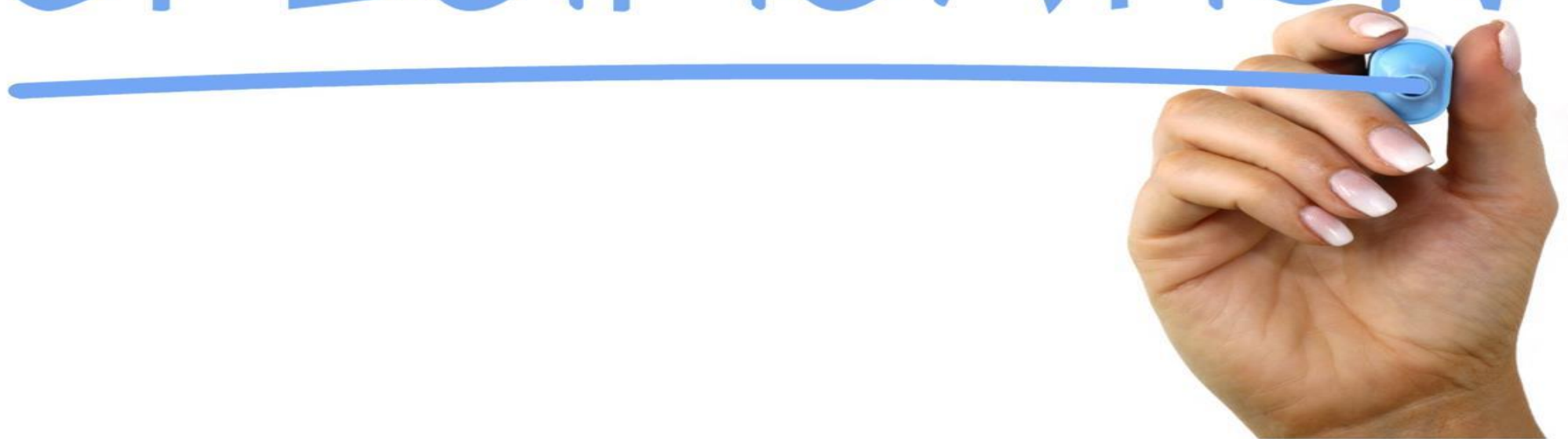
Health
Check



OS Data
Review

GeoPlace Specification Review

SPECIFICATION



Reclassification Process Review

ROADS CLASSIFICATION & PRN CHANGE FORM Version 03/12

[update form to generate description, or type in own version]

Organisation making change Date Effective from Declaration number (Auto) Type of change	Contact Position Email Phone On behalf of Position	
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Does this change affect: Road classification? The PRN? Is this a new or existing road? Is this a provisional allocation?	
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LOCAL AUTHORITIES CONSULTED

Authorities are expected to secure agreement from:

- All authorities along a primary route (i.e. between two primary destinations) when making a significant change to that route;
- The neighbouring authority when reclassifying a road across an LA boundary.

Authorities are expected to notify neighbours when:

- Changing the classification of a road which carries significant traffic from a neighbouring authority.

Has this consultation taken place? ☐

CLASSIFICATION Previous classification Type Name/No. New Classification Type Name/No. Length miles 0.00 km Coordinates (OS full six-figure grid reference) <table style="width: 100%;"> <tr> <td style="width: 50%;">Start</td> <td style="width: 50%;">Finish</td> </tr> <tr> <td>x </td> <td> </td> </tr> <tr> <td>y </td> <td> </td> </tr> </table> Does this road require a completely new number? ☐ Have you approved the new number with DfT Roads Policy? ☐ Additional Information (recommended) OS TOID OS ITN TOID NSG USRN	Start	Finish	x		y		PRN Overall Route From To Roads on route Specific Change Roads affected Length miles 0.00 km Coordinates (OS full six-figure grid reference) <table style="width: 100%;"> <tr> <td style="width: 50%;">Start</td> <td style="width: 50%;">Finish</td> </tr> <tr> <td>x </td> <td> </td> </tr> <tr> <td>y </td> <td> </td> </tr> </table> Please provide a verbal description of the previous route and the new route in the 'description' box Additional Information (recommended) OS TOID OS ITN TOID NSG USRN	Start	Finish	x		y	
Start	Finish												
x													
y													
Start	Finish												
x													
y													

RECORDS All changes must be recorded on the National Street Gazetteer When is the NSG updated? Is there a map file associated with this form? Keep a copy of this form for your records	GENERAL DESCRIPTION Nearby town Description Please describe the route and changes
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- Review current process
- Desire to move to a web-based approach
- Checking statutory requirements



Conclusion

- DfT are committed changing their methodology going forward
- Ensure your Local Street Gazetteer correctly reflects the road classifications and is updated accordingly
- Street custodians are vital to this process

