

Bus Open Data

Release 1.16.0 Update

PTIG General Meeting 3rd March 2022

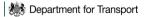
Summary of Release 1.16.0 1/3

- Release 1.16.0 focuses on widescale changes to FBODS to increase the ways in which users can access and consume the data available. There are also wholesale changes to the UI to make using FBODS easier. (More detailed information about the main feature updates can be found on the following pages in the 'Key Updates' section of this report.)
 - FBODS data catalogue (details on pages 13-14 (Data catalogue Updates))
 - 1. Consumers can download the data catalogue by clicking on the 'Download the data catalogue' link on the 'guide me' page.
 - 2. Data catalogue includes a user's guide, location data, operator's NOC, organisations' data, timetables' data, and overall data.
 - API Updates (details on pages 15-17 (API Updates))
 - 1. Users can access the API service through the 'guide me' page.
 - 2. Add new query parameter of 'vehicleRef' to the AVL API.
 - 3. Add new query parameters of 'limit' and 'offset' to the Fares API.



Summary of Release 1.16.0 2/3

- FBODS Browse Page (details on pages 18-19 (Search Updates))
 - 1. Timetable and fares data can be searched by NOC, Operator name, location, and Description in the 'Browse data' page.
 - 2. AVL data can be searched by Operator name, NOC, and Description.
- Individual Data Set Page update(details on pages 20 (Design Updates))
 - 1. Add 'Noticed issues with this data set?' at the bottom of the individual data set page for all data types, which helps consumers who are already logged in to provide their feedback.
- User ability to directly contact operators (details on page 17)
 - 1. Can contact data set/feed owner via dataset detail pages
 - 2. Can contact via operator profile page
 - 3. Option to contact anonymously



Summary of Release 1.16.0 3/3

- Operator Profiles (details on pages 21-23)
 - 1. Users can search and filter through all the operators registered on BODS
 - 2. Accessing individual operator profile pages provides detail about the operator and their data on BODS
 - 3. Access to APIs and browse functions for their data specifically
- Increased data gathering on consumers (details on page 28)
 - 1. Log-in required to consume data (download, use APIs)
 - 2. More information gathered at account creation
- Usability Changes (details on pages 25-27)
 - 1. New 'Guide Me' page
 - 2. Updated UI
 - 3. Information pop-ups explaining phrases to users



Summary of Releases 1.16.1 & 1.16.2 1/1

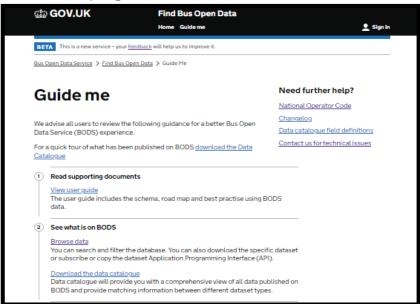
- Release 1.16.1 is a patch release including:
 - A fix to issues PBODS users were encountering with bank holiday operation in their timetables data
 - The addition of TfL data to download all
 - Admin users can edit the Agent Organisation field for a BODS User on the Django admin portal
- Release 1.16.2 is a patch release that consists of 1 bug and 1 story. The validation check for timetables data will no longer check the OTC database for service codes. This is due to the database lacking all data required to accurately check service codes.

Key Updates

Data Catalogue Updates 1/2

Data catalogue will provide users with a comprehensive view of all data published on BODS and provide matching information between different dataset types

 Consumers can download the data catalogue by clicking on the 'Download the data catalogue' link on the 'guide me' page



Data Catalogue Updates 2/2

Data catalogue will provide users with a comprehensive view of all data published on BODS and provide matching information between different dataset types

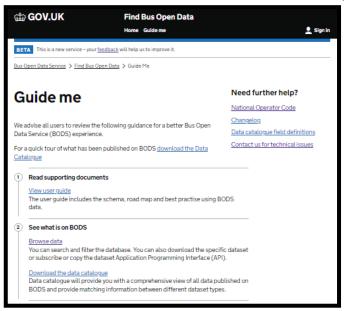
• Data catalogue includes a user's guide, location data, operator's NOC, organisations' data, timetables' data, and overall data:

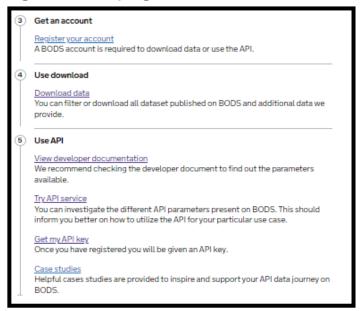
Name	Date modified	Туре	Size
🗓 bodsdatacatalogue.zip	27/01/2022 14:39	WinZip File	1,774 KB
data_catalogue_guidance.txt	27/01/2022 14:24	Text Document	14 KB
location_data_catalogue.csv	27/01/2022 14:24	Microsoft Excel Com	6 KB
operator_noc_data_catalogue.csv	27/01/2022 14:23	Microsoft Excel Com	6 KB
organisations_data_catalogue.csv	27/01/2022 14:24	Microsoft Excel Com	22 KB
overall_data_catalogue.csv	27/01/2022 15:16	Microsoft Excel Com	6,783 KB
timetables_data_catalogue.csv	27/01/2022 14:24	Microsoft Excel Com	4,984 KB

API Updates 1/3

A registered consumer of BODS API will access the API service through the 'guide me' page and use the new parameters of the location data and Fares data APIs

Users can access the API service through the 'guide me' page

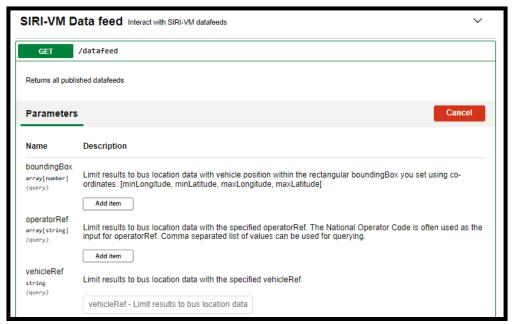




API Updates 2/3

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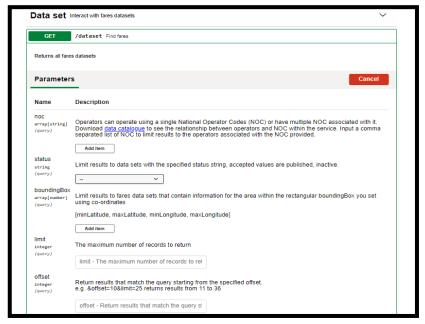
Add new query parameter of 'vehicleRef' to the AVL API



API Updates 3/3

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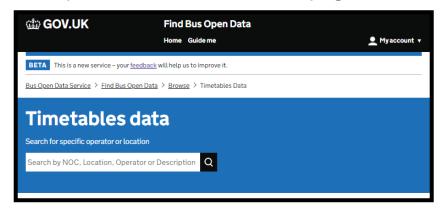
Add new query parameters of 'limit' and 'offset' to the Fares API

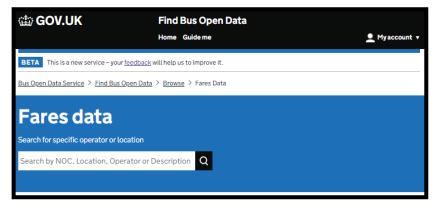


FBODS Browse Page Updates 1/2

Data consumers can search for data sets/feeds on BODS APIs. If data matching the results would be displayed, otherwise then the existing results will continue to be displayed

 Timetable and fares data can be searched by NOC, Operator name, Location, and Description in the 'Browse data' page

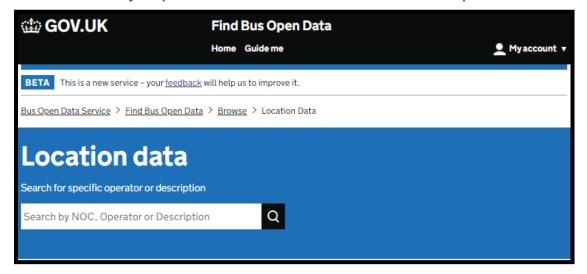




FBODS Browse Page Updates 2/2

Data consumers can search for data sets/feeds on BODS APIs. If data matching the results would be displayed, otherwise then the existing results will continue to be displayed

AVL data can be searched by Operator name, NOC, and Description



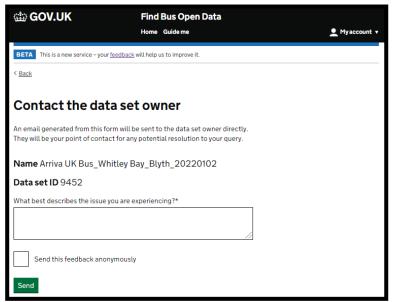
Individual Data Set Page Update

Add section will be added to help data consumers who are already logged in to provide their feedback

 Add 'Noticed issues with this data set?' at the bottom of the individual data set page for all data types

Noticed issues with this data set?

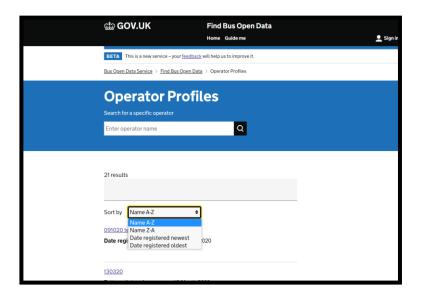
Contact data set owner directly

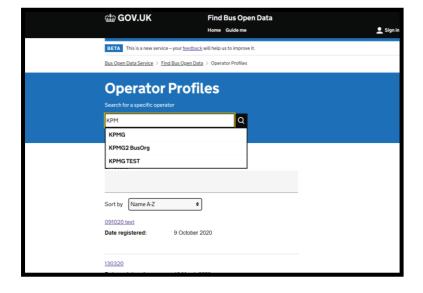


Operator Profiles 1/3

A 'View operator profiles' link has been added to FBODS home which links to a searchable list of operators who are registered on BODS

 Consumers will be able to browse, search and sort through all the operators registered on BODS via a 'View operator profiles' link on FBODS home:

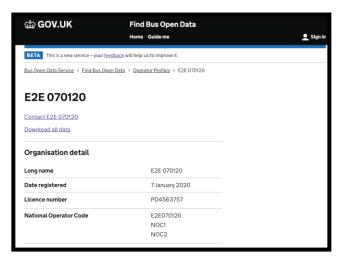




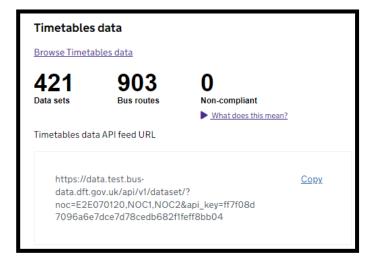
Operator Profiles 2/3

Operator profile pages will provide information about the operators and their data and access to other FBODS functions.

- Consumers can see the numbers of datasets/feeds and see how many are BODS compliant.
- Users will be able to directly access the operators' timetables, location and fares via browse or, when signed in, via their API feed URLs.



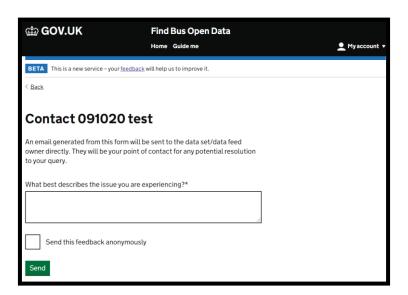




Operator Profiles 3/3

Operator profile pages will provide information about the operators and their data and access to other FBODS functions

• Consumers when logged into FBODS will be able to contact operators directly from a link on the operators profile page and will be able to do so anonymously.



Download All Updates 1/1

The functionality of download all has been improved as part of both releases

- R1.16.0 will:
 - Allow users to download timetables datasets in TransXChange format by region.
 - Change the file structure of timetables data zip to group files by operator folders.
 - Enable users to access download all from operator profile pages.
- R1.16.1 introduces a download all link for TfL SIRI-VM location data

All location data

Download file

Download a snapshot of all live bus locations at a point in time.

Format: SIRI-VM ?
Mode: Bus
File type: ZIP file

Update frequency: Every 10 seconds

<u>Download all bus location data in SIRI-VM format</u>

Download all bus location data in GTFS RT format

Download all bus location data from Transport for London (TfL) only in SIRI-

VM format

Bus Open Data Service > Find Bus Open Data > Operator Profiles > Blackpool Transport

Blackpool Transport

Contact Blackpool Transport

Download all data

Download file in TransXChange format

You can download all the timetables data cached on the service as of today by clicking the link below. Timetables data is provided in a TransXChange format within a compressed 2IP file.

All - Download timetables data in TransXChange format

All - Download BODS Compliant only timetables data in TransXChange format

East Anglia - Download timetables data in TransXChange format

East Midlands - Download timetables data in TransXChange format

London - Download timetables data in TransXChange format

North East - Download timetables data in TransXChange format

North West - Download timetables data in TransXChange format

Scotland - Download timetables data in TransXChange format

South East - Download timetables data in TransXChange format

South West - Download timetables data in TransXChange format

Wales - Download timetables data in TransXChange format

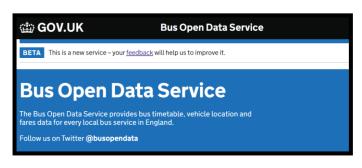
West Midlands - Download timetables data in TransXChange format

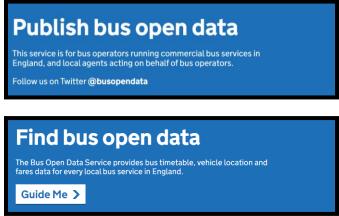
Yorkshire - Download timetables data in TransXChange format

Overall UI/UX Changes 1/2

Widespread changes to the BODS UI will make it easier for users of FBODS in particular to explore, understand and use the service.

- Addition of a banner to pages that:
 - On BODS and PBODS home provides a summary of the service and a link to its twitter
 - On FBODS home provides a summary of the service and a prominent link to guide me
- Updates to data set/feed details pages to include more relevant information, guidance and links



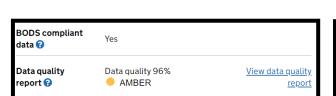


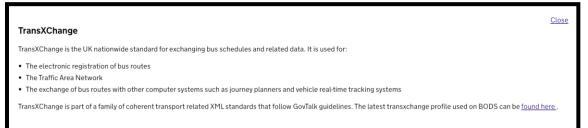
Overall UI/UX Changes 2/2

Widespread changes to the BODS UI will improve consumer experience on FBODS.

- Addition of clickable modal popups to FBODS that describe:
 - The different data formats of TransXChange, GTFS, Siri-VM and NeTEx on the browse and download all pages
 - The concepts of BODS compliance and data quality checks on dataset/feed detail pages

Timetables data Timetables data provides details of a specific number, day, date, route and time. You can download all the timetables data cached on the service. Format: TransXChange ③ GTFS ②







Beyond the usual validation check for the TransXChange 2.4 v1.1 PTI, BODS does additional checks to ascertain the quality of the data and assigns a subsequent score to the data set. More information on the data quality checks can be found here.

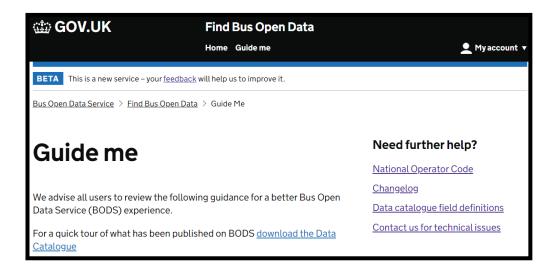
Close

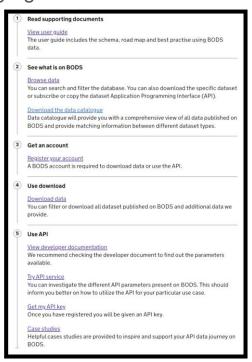
Guide Me Page 1/1

A 'Guide Me' page has been added to FBODS which can be accessed via the header on every page of FBODS

FBODS users will be able access a comprehensive list of usage guidance and function

descriptions with links





Consumer Usage Monitoring 1/1

More information is being gathered on how consumers use BODS to help guide future service improvements.

- Users must now sign in to consume data on BODS via the APIs or download all.
- Account creation now gathers the user's area of interest in terms of regional or national data.
- During account creation, users now log their intended use as one of 6 categories alongside a short text description for more detail. They can also opt in to be contacted about usage.

What best describes your intended use? To help us to continuously improve the service, please provide details about your intended use of the data.		
App		
Research		
Digital Signage		
Website / Portal		
Local Transport Authority		
Personal interests or other		
Please provide a short description about your intended use below. What does your product/service do? Who is it for?		

Which areas of data are you interested in?
National
Regional, please provide specific location(s) if you can
Are you happy for DfT to contact you to discuss how you're using the data? This helps us to continuously improve the BODS service and make it usable for consumers like yourself Yes No

End of Summary (R1.16.0)