



**bsi.** BSOL  
Standards Online

# BSOL: Key Standards for Intelligent Transport Systems

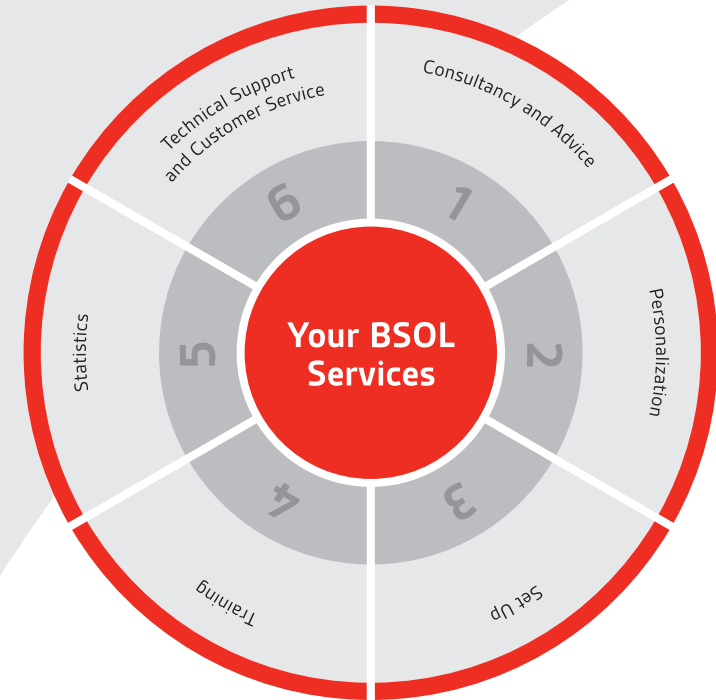
[bsigroup.com/bsol](https://bsigroup.com/bsol)

# What is BSOL?

**British Standards Online (BSOL)** is an online database of standards. It will help you manage standards more efficiently by giving you instant access to all the standards vital to your business.

## How it works?

- 1 Subscribe to the full collection**  
The full collection contains over 95,000 internationally recognized standards. It is comprehensive, easy to use and essential for organizations working across multiple technical fields.
- 2 Subscribe to subject-based modules**  
The BSOL database is divided into 53 standards-based modules. Each module contains all the standards related to a specific subject and many contain thousands of individual documents. You can access various standards related to Automotive via a variety of modules.
- 3 Create your own custom collection**  
BSOL grants you the power to create your own custom collection of standards. Choose from our complete library to build an easily accessible collection of the standards vital to your business.



## Your BSOL Services include:

- 1 Consultancy and Advice**  
We can review all your standards requirements and suggest the best BSOL package for you
- 2 Personalization**  
We will personalize your BSOL package to fit your users and organization
- 3 Set Up**  
We can set you up to use BSOL in as little as 24 hours
- 4 Training**  
Get free classroom or webinar style training for all BSOL users
- 5 Statistics**  
Receive regular user statistics to see what standards are being used
- 6 Technical Support and Customer Service**  
Receive support for all your BSOL needs

For further information visit [bsigroup.com/bsol](http://bsigroup.com/bsol) or call +44 (0)208 996 7029

# Intelligent Transport Systems

BSOL offers standards for all types of communications in and between vehicles and fixed locations, including standards for information and communication technologies and navigation systems.

## Route guidance/navigation systems

**BS ISO 22840:2010**

Devices to aid reverse manoeuvres.  
Extended-range backing aid systems



## Traffic signals

(controllers and detectors)

**BS EN 12368:2015**

Traffic control equipment.  
Signal heads



## After-theft systems

**BS EN 15213-1:2013**

After-theft systems  
for the recovery of  
stolen vehicles



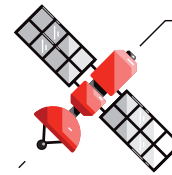
## Telematics applications

(Automatic Vehicle/Electronic Register Identification)

**BS ISO 15638-12:2014**

**BS ISO 15638-15:2014**

Vehicle mass monitoring



## Communication for Smart Cities

**PAS 180**

**PAS 181**

**PAS 182**



## Curve speed warning systems

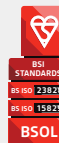
**BS ISO 11067:2015**



## Hydrogen cars

**BS ISO 23828:2013**

Energy consumption measurement.  
Vehicles fuelled with compressed hydrogen



## Infrastructure to Vehicle Communications

**BS ISO 15829:2013**

Part 1: "Electric Vehicle Charging Spot Notification Specification"; and Part 3: "Communications system for the planning and reservation of EV energy supply using wireless"



## Freight containers

**ISO/TS 10891:2009 Ed 1**

Radio frequency identification.  
Licence plate tag



## eCall with Airbag

**BS EN 16102:2011**

Operating requirements  
for third party support



## Cruise control/ Lane keeping assistance systems

**BS ISO 15622:2010**



## Electronic fee collection

**PD CEN ISO/ TS 14907-2:2016**

Conformance test for the on-board unit application interface

## Collision warning

(Test procedures)

**PD ISO/TR 10982:2013**

Evaluating out-of-position vehicle occupant interactions with deploying air bags

## Airbag

**BS ISO 15829:2013**

Evaluation of occupant interactions with side airbags by pole impact simulation

## Driver distraction

**PD ISO/TR 17427-10:2015**



# BSOL Modules for Intelligent Transport Systems

BSOL includes historic, current and draft documents for the automotive industry which will help you to maintain compliance by referring to the latest versions and historic standards for long term projects.

Key standards for the automotive industry are displayed in the graphic but there are thousands more which you can find out about by calling us on +44 020 8996 7029.

The database comprises a variety of relevant modules for the industry such as Road Vehicle Engineering, Information Technology – Hardware & Office Machines and Testing. Each of the modules include a significant number of documents as detailed in the table opposite.

BSOL Module	Number of documents
01 Documentation	1150
02 Information & Finance	1412
03 Vocabularies	1784
04 Management, Law & Quality	1926
06 Environment, Waste	2238
10 Testing	717
12 Mechanical Systems & Components	671
14 Manufacturing, Engineering	2202
17 Electrical Engineering in General	515
18 Electrical Components	1902
19 Electrical Accessories, Switchgear & Controlgear	1438
25 Information Technology – Hardware & Office Machines	2349
27 Road Vehicle Engineering	1646
34 Packaging & Distribution of Goods	959
40 Metallurgy	1340
51 Civil Engineering	1669

To add any of these standards to your collection, please contact your Account Manager or call **+44 020 8996 7029**



**BSI Group**

389 Chiswick High Road, London W4 4AL UK

Tel: +44 345 086 9001

Email: [cservices@bsigroup.com](mailto:cservices@bsigroup.com)

[www.bsigroup.com](http://www.bsigroup.com)

© BSI 2017

