



Data Transfer Format 8.1 for the National Street Gazetteer (NSG)

DTF8.1

Version 2.10

June 2016



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Document history

Version	Publication Date	Author	Comments
1.0	26.06.08	Intelligent Addressing Ltd	Initial drafting in conjunction with LSG Regional Chairs
1.1	31.07.08	Intelligent Addressing Ltd	Minor clarifications
1.2	01.08.08	Intelligent Addressing Ltd	Minor amendments
1.3	19.09.08	EDG	Minor amendments and clarifications
1.4	24.09.08	LGIH	Further minor amendments and clarifications
1.5	19.12.08	LGIH, Intelligent Addressing Ltd and EDG	Final amendments and clarifications
2.03	24.01.14	GeoPlace consultation version	Significant changes to align to codes of practice and EtoN changes. As well as building in optional fields to allow for ASD at level 3 and ProW Data
2.04	20.02.14	GeoPlace Edits	Formatting edits
2.05	14.04.14	Consultation Comments	Updates
2.06	14.07.2014	Further consultations comments	Updates
2.07	06.10.2014	Final consultation response document	Final
2.08	31.10.2014	Final version	DTF8.1
2.09	03.03.2015	Final version	Correction of errors in v2.08
2.10	26.05.2016	Final version	Correction of errors in v2.09 listed in errata version 1 and 2 plus additional items.

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Revisions

Summary of changes from DTF8.1 v2.09 to DTF8.1 v2.10

The revisions have been classified as “F” changes to export content or format, “X” explanatory notes, “E” format errors and “T” for typographical errors found in and editorial changes made to previous version.

	Revision	Type of Record	Type of revision
1	Item 46 - Status changed from Man to Con on ASD_RECORD_IDENTIFIER Field Should read - Status changed from Man to Con on ASD_SEQ_NUM Field.	Revision table	T
2	STREET_START_DATE new Footnote 4 – The point at which the ground is broken and construction commences. If the date is unknown, a default of 1st June 2015, must be used. Inserted.	11	X
3	ESU_COUNT Value range changed from 1-999 to 0-999	11	F
4	Street State Code STATE = 5 - Street for addressing purposes only, Maximum Permitted Tolerance Value changed from “10m or smaller” to “10m”	11	T
5	NUM_COORD_COUNT Value range changed from 1-999 to 2-999	13	F
6	Street Descriptor Record Note 4. ADMINISTRATIVE_AREA names are provided in Appendix B of the DEC-NSG v3.7 documentation. For Districts this name must be the name of the County Local Highway Authority and must exclude the phrase ‘County Council’ (see Appendix B of the DEC-NSG v3.7). For all types of Unitary the name must be the name of the Local Highway Authority and exclude the words council, borough or metropolitan etc. (See Appendix B of the DEC-NSG v3.7). Should read – Note 4. ADMINISTRATIVE_AREA names are provided in Appendix B of the DEC-NSG v3.6 (under review) documentation. For Districts this name must be the name of the County Local Highway Authority and must exclude the phrase ‘County Council’ (see Appendix B of the DEC-NSG v3.6 (under review)). For all types of Unitary the name must be the name of the Local Highway Authority and exclude the words council, borough or metropolitan etc. (See Appendix B of the DEC-NSG v3. 6 (under review)).	15	T
7	SEQUENCE_NUMBER Description text - Sequential number for each one way Record applicable to a Street. Should read - Sequential number for each one way Record applicable to an ESU.	16	T
8	ONE_WAY_EXEMPTION_START_DATE Description text - If the Exemption is seasonal, date when the Exemption starts.	16	T

	Revision	Type of Record	Type of revision
	Should read - Date when the Exemption starts.		
9	ONE_WAY_EXEMPTION_END_DATE Description text - If the Exemption is seasonal, date when the Exemption ends. Should read - Date when the Exemption ends.	16	T
10	ONE_WAY_EXEMPTION_END_DATE Status "Opt" changed to "Con".	16	F
11	ONE_WAY_EXEMPTION_END_DATE Footnote 11 text - End Date should only be entered where the exception is no longer active and has been removed from the Street. Should read - End Date must only be present where the exception is no longer active.	16	T
12	ONE_WAY_EXEMPTION_END_TIME Footnote 11 text - End time should only be entered if a start time has been entered. Should read - End time must only be present if start time is present.	16	T
13	Table description text - ONE_WAY_EXEMPTION_TYPE changed to - ONE_WAY_EXEMPTION_CODE.	16	T
14	Table description text - ONE_WAY_EXEMPTION_PERIODICITY_TEXT changed to - ONE_WAY_EXEMPTION_PERIODICITY_CODE.	16	T
15	ONE_WAY_EXEMPTION_PERIODICITY_CODE = 15 – Continuous new Footnote 13 - ONE_WAY_EXEMPTION_START_DATE, ONE_WAY_EXEMPTION_END_DATE, ONE_WAY_EXEMPTION_START_TIME and ONE_WAY_EXEMPTION_END_TIME must also be present. Inserted.	16	X
16	HD_START_DATE new Footnote 17 – The point at which the ground is broken and construction commences. If the date is unknown, a default of 1st June 2015, must be used. Inserted.	17	X
17	HD_SEASONAL_END_DATE Status "Opt" changed to "Con".	17	F
18	HD_SEASONAL_END_DATE Status new Footnote 18 – End Date must be present when start date is present. Inserted.	17	X
19	HD_END_TIME Status Footnote 19 text - Highway Dedication end time must only be entered when a start time is entered. Should read - End time must be present when start time is present.	17	T
20	Highway Dedication Note 3 - ESUs where a corresponding type 11 Street Record STATE = 1 – Under construction, it must not have a Highway Dedication Record. Should read - ESUs where a corresponding type 11 Street Record STATE = 1 - Under construction, must have a Highway Dedication Record with HIGHWAY_DEDICATION_CODE = 12 Neither 2, 4, 6, 8, 9, 10 nor 11.	17	T
21	Metadata Record example text - 29,"Cornwall Council",",",",M",",Highways",100041031005,840,"British National	29	T

Revisions

Revision	Type of Record	Type of revision
Grid", "Metres", 2013-01-02, "DEC-NSG v8.1", 2013-01-02, "ENG", "English", 100,80,50,100,80,100,0,80,80 Should read - 29, "Cornwall", "", "M", "Highways", 100041031005,840, "British National Grid", "Metres", 2013-01-02, "DTF8.1", 2013-01-02, "ENG", "English", 100,80,50,100,80,100,0,80,80		
22 Metadata Language Code "CYM" – Welsh removed.	29	F
23 SWA_ORG_REF_MAINTAINING Value range - 0011, 0012, 0013, 0014, 0016, 0020, 7093 Should read - 0011, 0016, 0020, 7093	61	F
24 ASD_COORDINATE Footnote 27 - If WHOLE_ROAD = 0 then a type 67 ASD Coordinate Record is required. Should read - If WHOLE_ROAD = 0 then the ASD_COORDINATE field must not be null.	61	T
25 SWA_ORG_REF_MAINTAINING – Field description reference to Highways Agency Should read - Highways England.	61	T
26 SWA_ORG_REF_MAINTAINING Footnote 32 - Current as of 1st October 2014. Subject to change, refer to NSG DTF8.1 Compliance Check Specification. Should read - Current as of 1st June 2016. Subject to change, refer to NSG DTF8.1 Compliance Check Specification.	61	T
27 START_X Footnote 35 - Required if WHOLE_ROAD = 0 and ASD_COORDINATE = 0. Should read - Coordinates required if WHOLE_ROAD = 0 and ASD_COORDINATE = 0.	61	T
28 START_Y Footnote 36 - Required if WHOLE_ROAD = 0 and ASD_COORDINATE = 0. Should read - Coordinates required if WHOLE_ROAD = 0 and ASD_COORDINATE = 0.	61	T
29 Interest Record Note 4 - Where STREET_STATUS = 5 – Street outside scope of EToN, then: <ul style="list-style-type: none"> • STATE = 5 - Street for addressing purposes only – see Section 5.1.2 – Street states codes (type 11 Interest Record) must be used; and • REINSTATEMENT_TYPE_CODE = 12 – Street outside scope of EToN – see Section 7.2 - Reinstatement type codes (type 62 Construction Record), must be used. 	61	T

	Revision	Type of Record	Type of revision
	Should read - Note 4 - Where STREET_STATUS = 5 – Street outside scope of EToN, then REINSTATEMENT_TYPE_CODE = 12 – Street outside scope of EToN – see Section 7.2 - Reinstatement type codes (type 62 Construction Record), must be used.		
30	ASD_COORDINATE Footnote 42 - If WHOLE_ROAD = 0 then a type 67 ASD Coordinate Record is required. Should read - If WHOLE_ROAD = 0 then the ASD_COORDINATE field must not be null.	62	T
31	Construction Record Note 4. Where REINSTATEMENT_TYPE_CODE = 12 – Street outside scope of EToN, then: <ul style="list-style-type: none"> • STATE = 5 - Street for addressing purposes only – see Section 5.1.2 – Street states codes (type 11 Interest Record), must be used; and • STREET_STATUS = 5 – Street outside scope of EToN – see Section 6.1 – Street Maintenance Responsibility Codes (type 61 Interest Record), must be used. Should read Note 4. - Where REINSTATEMENT_TYPE_CODE = 12 – Street outside scope of EToN, then STREET_STATUS = 5 – Street outside scope of EToN – see Section 6.1 – Street Maintenance Responsibility Codes (type 61 Interest Record), must be used.	62	T
32	ASD_COORDINATE Footnote 51 - If WHOLE_ROAD = 0 then a type 67 ASD Coordinate Record is required. Should read - If WHOLE_ROAD = 0 then the ASD_COORDINATE field must not be null.	63	T
33	SPECIAL_DESIG_START_DATE Description text - If the Special Designation is seasonal, date when the Special Designation starts. Should read - Date when the Special Designation starts.	63	T
34	SPECIAL_DESIG_END_DATE Description text - If the Special Designation is seasonal, date when the Special Designation ends. Should read - Date when the Special Designation ends.	63	T
35	SPECIAL_DESIG_END_DATE Status "Opt" changed to "Con".	63	F
36	SPECIAL_DESIG_END_DATE new Footnote 59 - End Date must only be present where the Special Designation is no longer active. Inserted.	63	X
37	SPECIAL_DESIG_END_TIME Status "Opt" changed to "Con".	63	F
38	SPECIAL_DESIG_END_TIME new Footnote 60 – End time must be present when start time is present. Inserted.	63	X
39	SPECIAL_DESIG_PERIODICITY_CODE = 15 – Continuous, new Footnote 62 - SPECIAL_DESIG_START_DATE, SPECIAL_DESIG_END_DATE, SPECIAL_DESIG_START_TIME and SPECIAL_DESIG_END_TIME must also be present. Inserted.	63	X

Revision	Type of Record	Type of revision																				
40 ASD_COORDINATE Footnote 65 - If WHOLE_ROAD = 0 then a type 67 ASD Coordinate Record is required. Should read - If WHOLE_ROAD = 0 then the ASD_COORDINATE field must not be null.	64	T																				
41 DEF_MAP_GEOMETRY_COUNT Field Definition - Present in the Full Supply transfer file only where DEF_MAP_GEOMETRY_TYPE = 1. This is the count of coordinates expected in the type 67 ASD Coordinate Record. Should read - Present in the Full Supply transfer file only where DEF_MAP_GEOMETRY_TYPE = 0. This is the count of coordinates expected in the type 67 ASD Coordinate Record.	66	T																				
42 Coordinate Record new Note 4. The following table outlines the relationships between the type 67 ASD Coordinate Record and ASD type 61, 62, 63 and 64 Records where: <table border="1" data-bbox="172 943 919 1189"> <thead> <tr> <th>WHOLE_ROAD in type 61, 62, 63 and 64 Records</th> <th>ASD_COORDINATE in type 61, 62, 63 and 64 Records</th> <th>ASD_COORDINATE in type 61, 62, 63 and 64 Records</th> <th>XY Start and End Coordinates in ASD type 61, 62, 63 and 64 Records</th> <th>Type 67 ASD Coordinate Record</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Null</td> <td>Null</td> <td>Null</td> <td>Null</td> </tr> <tr> <td>0</td> <td>1</td> <td>Present</td> <td>Optional*</td> <td>Present</td> </tr> <tr> <td>0</td> <td>0</td> <td>Null</td> <td>Present</td> <td>Null</td> </tr> </tbody> </table> <p>*Note – The DTF8.1 Specification does not restrict start and end coordinates being present in part road Records where type 61, 62, 63 and 64 ASD_Coordinate = 1 is present, although the assumption is that they will not be required where the type 67 ASD Coordinate Record is present. This means that where type 61, 62, 63 and 64 ASD_Coordinate = 1 is present, start and end coordinate Fields in each Record type can also be present and compliant. The purpose of this is to make allowances for software suppliers that have yet to develop their systems to transfer and accept type 67 ASD Coordinate Records.</p>	WHOLE_ROAD in type 61, 62, 63 and 64 Records	ASD_COORDINATE in type 61, 62, 63 and 64 Records	ASD_COORDINATE in type 61, 62, 63 and 64 Records	XY Start and End Coordinates in ASD type 61, 62, 63 and 64 Records	Type 67 ASD Coordinate Record	1	Null	Null	Null	Null	0	1	Present	Optional*	Present	0	0	Null	Present	Null	67	X
WHOLE_ROAD in type 61, 62, 63 and 64 Records	ASD_COORDINATE in type 61, 62, 63 and 64 Records	ASD_COORDINATE in type 61, 62, 63 and 64 Records	XY Start and End Coordinates in ASD type 61, 62, 63 and 64 Records	Type 67 ASD Coordinate Record																		
1	Null	Null	Null	Null																		
0	1	Present	Optional*	Present																		
0	0	Null	Present	Null																		
43 CLASS_SCHEME Description text - Classification scheme used for all multiple value specified Fields for example DEC-NSG 8.1. Should read - Classification scheme used for all multiple value specified Fields, for example DTF8.1.	69	T																				
44 Metadata Record example text - 69,"Cornwall Council", "", "M", "Highways Section", 100041031005, 0840, "British National Grid", "Metres", 2013-01-02, "DEC-NSG v8.1", 2013-01-02, "ENG", "English", 100, 100, 100, 100, 50, 80, 80, 10, 20, 0, 100, 100, 0, 0, 0, 100, 60, 0, 100, 0, 0, 0, 0, 80 Should read - 69,"Cornwall", "", "M", "Highways Section", 100041031005, 0840, "British National Grid", "Metres", 2013-01-02, "DTF8.1", 2013-01-02, "ENG", "English", 100, 100, 100, 100, 50, 80, 80, 10, 20, 0, 100, 100, 0, 0, 0, 100, 60, 0, 100, 0, 0, 0, 0, 80	69	T																				
45 Metadata language code "CYM" – Welsh removed.	69	F																				

Revisions

Summary of changes from DTF8.1 v2.08 to DTF8.1 v2.09

Revision	Type
1 Item 41 - type 11 should read 10.	Revision table
2 Footnote 3 added to "8.1.2.08" value range - Only the "8.1" part of the version number will be validated.	10
3 PROCESS_TIME changed to TIME_STAMP to be consistent with Header Record.	99
4 Note 4 amended to include type 16 One Way Exemption.	11
5 Note 6. Added - Where STATE = 5 – Street for addressing purposes only, STREET_STATUS = 5 – Street outside scope of EToN – see Section 6.1 - Street Maintenance Responsibility Codes (type 61 Interest Record) and REINSTATEMENT_TYPE_CODE = 12 – Street outside scope of EToN – see Section 7.2 – Reinstatement type codes (type 62 Construction Record), must be used.	11
6 ESU_ID changed to ESUID.	12
7 Note 5. Added - Every type 13 ESU Record cross referenced to either a type 11 Street Record, RECORD_TYPE = 3 or 4, must also be cross referenced to either a type 11 Street Record, RECORD_TYPE = 1 or 2 Street.	12
8 Quotes "" added to "ENG" and "CYM".	15
9 Note 8 and Section 5.5.2. Added - Section 5.5.2 details the reserved prefixes for different classes type 11 Street Record RECORD_TYPE = 3 Streets.	15
10 ESU_ID changed to ESUID.	16
11 Record example time values changed from 07:30,10:30 to 0730,1030.	16
12 ESU_ID changed to ESUID.	17
13 Record example time values changed from 07:30,10:30 to 0730,1030.	17
14 Value range changed from 1-100 to 0-100.	29
15 Quotes "" added to "ENG", "CYM" and "BIL".	29
16 Value range Field name changed from RECORD_ENTRY_DATE to RECORD_START_DATE.	61
17 Value range text changed from: Greater than or equal to the RECORD_START_DATE and less than or equal to present day to Present day or earlier.	61
18 Status changed from Opt to Con on RECORD_END_DATE Field.	61
19 Footnote 22 - Required if the Record is to be closed. Added.	61
20 Footnote 23 - WHOLE_ROAD = 1 changed to WHOLE_ROAD = 0.	61
21 Value range 0013 and 7093 added to SWA_ORG_REF_MAINTAINING Field.	61
22 Footnote 30 - Required when INTEREST_TYPE = 1 changed to STREET_STATUS = 1, 2, 3 or 5 required when INTEREST_TYPE = 1	61
23 Note 4. Added - Where STREET_STATUS = 5 – Street outside scope of EToN, STATE = 5 - Street for addressing purposes only – see Section 5.1.2 – Street states codes (type 11 Interest Record) and REINSTATEMENT_TYPE_CODE = 12 – Street outside scope of EToN – see Section 7.2 - Reinstatement type codes (type 62 Construction Record), must be used.	61
24 Value range Field name changed from: RECORD_ENTRY_DATE to RECORD_START_DATE.	62

	Revision	Type
25	Value range text changed from: Greater than or equal to the RECORD_START_DATE and less than or equal to present day to Present day or earlier.	62
26	Status changed from Opt to Con on RECORD_END_DATE Field.	62
27	Footnote 36 - Required if the Record is to be closed. Added.	62
28	Footnote 38 - WHOLE_ROAD = 1 changed to WHOLE_ROAD = 0.	62
29	ASD_COORDINATE_COUNT type / max length changed from 1 to 3.	62
30	SWA_ORG_REF_CONSULTATION changed to SWA_ORG_REF_CONSULTANT.	62
31	DISTRICT_REF_CONSULTATION changed to DISTRICT_REF_CONSULTANT.	62
32	Note 4. Added -Where REINSTATEMENT_TYPE_CODE = 12 – Street outside scope of EToN, STATE = 5 - Street for addressing purposes only – see Section 5.1.2 – Street states codes (type 11 Interest Record) and STREET_STATUS = 5 – Street outside scope of EToN – see Section 6.1 - Street Maintenance Responsibility Codes (type 61 Interest Record), must be used.	62
33	Value range Field name changed from: RECORD_ENTRY_DATE to RECORD_START_DATE.	63
34	Value range text changed from: Greater than or equal to the RECORD_START_DATE and less than or equal to present day to Present day or earlier.	63
35	Status changed from Opt to Con on RECORD_END_DATE Field.	63
36	Footnote 46 - Required if the Record is to be closed. Added.	63
37	Footnote 47 - WHOLE_ROAD = 1 changed to WHOLE_ROAD = 0.	63
38	Record example time values changed from 07:30, 10:30 to 0730, 1030	63
39	Value range Field name changed from: RECORD_ENTRY_DATE to RECORD_START_DATE.	64
40	Footnote 58 - WHOLE_ROAD = 1 changed to WHOLE_ROAD = 0.	64
41	Two commas removed from Record example as not required.	64
42	Type 3 Street changed to RECORD_TYPE = 3 Street in PROW_USRN and DIV_RELATED_USRN field descriptions.	66
43	Quotes "" added to PROW_STATUS codes "O", "C", "A", "E", "D" and "P".	66
44	PROW_STATUS code "D" definition changed from Diversionary to Temporary Diversion	66
45	Footnote 66 - DEF_MAP_GEOMETRY_TYPE = 1 changed to DEF_MAP_GEOMETRY_TYPE = 0.	66
46	Status changed from Man to Con on ASD_SEQ_NUM Field.	67
47	Footnote 79 - Only required if ASD_RECORD_IDENTIFIER is 61, 62, 63 or 64. Added.	67
48	Value range changed from 1-100 to 0-100	69
49	Quotes "" added to "ENG", "CYM" and "BIL".	69

Revisions

Summary of changes from DTF7.1 v1.5 to DTF8.1 v2.08

	Revision	Type
1	State Code 5 added	11
2	Highways Classification moved to new Record type 17 to associated with ESU rather than USRN	11, 17
3	Highways Classification name change to Highway Dedication	17
4	New Field ESU Count	11
5	Type 1 cross reference removed	12
6	Start and end points removed	13
7	Start and end point of ESU to be included	14
8	Tolerance applies to all type 14 Records	13
9	Type 16 Records added – ESU street Exceptions – Extra fields added	16
10	Type 17 Records added for Highways Dedication at ESU level	17
11	Explicit feature for ProW	17
12	Explicit feature for NCR	17
13	Explicit feature for Obstruction	17
14	Type 29 Record added – LSG Metadata	29
15	Adoption changed to Maintenance Responsibility	61
16	New maintenance responsibility codes, “maintained by another Authority” replacement for Exception lists	61
17	New maintenance responsibility codes, “outside the scope of EToN” to assist SNN in NLPG.	61
18	'Reinstatement Record' changes to 'Construction Record'	62
19	New code Reinstatement Record	62
20	New code Special Surfaces	62
21	New code Special Construction Needs	62
22	New field 'Aggregate Abrasion' added	62
23	New field 'Polished Stone' added	62
24	New 'Frost Heave Susceptibility' added	62
25	New reinstatement Record – 'Street maintained by another Highway Authority'	62
26	Two new periodicity codes	63
27	Special Designation codes added, 23, 24, 25, 26, 27, 28, 29, 30	63
28	Special Designation removed/ moved 11, 14, 15	63
29	Special Designation redefined 16	63
30	Special Designation updated 4	63
31	Field added SWA_ORG_REF_CONSULTANT and DISTRICT_REF_CONSULTANT added	64
32	Type 65 moved to type 16 Record and updated	65
33	New type 66 Record – To Define ProW and Cycle Routes	66
34	New type 67 added – specification for allowing capture of spatial data associated with specific ASD	67
35	Type 61 – 64, additional fields to allow spatial ASD	61, 62, 63, 64
36	Type 69 Record added – ASD Metadata	69

Revisions

	Revision	Type
37	Process order added to all Records	61, 62, 63, 64
38	Change Type added 'Insert' "I"	61, 62, 63, 64
39	Codes for planning orders and prohibited works	17
40	DISTRICT_REF_MAINTAINING redefined	61
41	Process Time has been added to include HHMMSS	10, 99
42	Colon has been removed from Time	All Records
43	Optional Source Text Field added to type 63 Record	63
44	HWW_LOCATION_TEXT Field extended	64
45	Optional Source Text Field added to type 64 Record	64
46	TRO_TEXT Field extended	64
47	FEATURE_DESCRIPTION Field extended	64
48	Start Date added to Records	61, 62, 63, 64
49	Last Update Date added to Records	61, 62, 63, 64
50	End Date added to Records	61, 62, 63, 64
51	SPECIAL_DESIG_DESCRIPTION Field extended	63
52	SPECIAL_DESIG_LOCATION_TEXT Field extended	63
53	ADDITIONAL_STREET_LOCATION_TEXT Field extended	61

1 Introduction

1.1 Background

- 1.1.1 This document details the latest version of the Data Transfer Format specification for operation with the NSG Custodian following the publication of BS 7666:2006.
- 1.1.2 This version of the Data Transfer Format is DTF8.1 v2.10 June 2016.
- 1.1.3 DTF8.1 v2.10 June 2016 is designed to specify all of the elements required to provide Full Supply transfer files from an LSG to the NSG Custodian and for the NSG Custodian to make the NSG data available in this format. Some LSG software is also used to hold and send LLPG data to the NLPG Custodian.
- 1.1.4 This document, (DTF8.1 v2.10 June 2016), must be read in conjunction with the Data Entry Conventions and Best Practice for the National Street Gazetteer (DEC-NSG) version 3.6 (under review) documentation and the Data Entry Conventions and Best Practice for the National Land and Property Gazetteer (DEC-NLPG) version 3.3 (under review) issued by GeoPlace.
- 1.1.5 The purpose of this document is to provide the technical specification for software designed to manage Street data in compliance with the DEC-NSG version 3.6 (under review) implementation of B7666:2006.
- 1.1.6 This document is primarily for the use of software developers who provide Gazetteer Management Systems for:
- Authority Street Custodians in DCA Participating Authorities.
 - National/Regional Highway Authorities
 - NSG Users

1.2 Notification of changes to DTF8.1 v2.10

- 1.2.1 Any planned changes to this document will be published on the NSG website (www.thensg.org.uk) with an indication of timescales for implementation. For detailed information about DTF8.1 Compliance Check Specification, see the documents area of the NSG website.

1.3 Definitions used throughout this document and the DEC-NSG v3.6 (under review)

Verb	Implication	Context
Must	An absolute requirement	BS 7666-1:2006 and BS 7666-2:2006 DEC-NSG document implementation requirement.
Shall	An absolute requirement	BS 7666-1:2006 and BS 7666-2:2006 standard requirement.
Should	A recommendation.	BS 7666-1:2006 and BS 7666-2:2006 standard or a DEC-NSG document implementation recommendation. A particular item may be ignored, but the full implications shall be understood and carefully weighed beforehand.
May	Permission	BS 7666-1:2006 and BS 7666-2:2006 standard or a DEC-NSG document implementation permission.
Can	Possibility or capability	BS 7666-1:2006 and BS 7666-2:2006 standard or a DEC-NSG document implementation information.
Is	Description	BS 7666-1:2006 and BS 7666-2:2006 standard or a DEC-NSG document implementation description.

- For a glossary of defined terms, see Appendix A of the DEC-NSG Version 3.6 (under review). Terms which appear in the glossary of defined terms are identified within the document by a capital first letter.
- References to Sections are shown in bold.
- Field names used in the attribute tables are shown by the use of all capitals, for example, STREET_NAME.

2 About the National Street Gazetteer

2.1 Background

- 2.1.1 The NSG provides the nationally definitive dataset for Street references (USRNs) linked to the names and extents of Streets associated with them in England and Wales. The Additional Street Data (ASD) is an abstract of data collated from other sources. It is not a nationally definitive dataset. Many of these sources are legally definitive for example, TROs, PRow definitive maps, Section 36 – Highways Act (1980) – List of Streets. The ASD designations and definitions are not a legal substitute for these sources.
- 2.1.2 Integrity between Local and National gazetteers is maintained by the use of Full Supply transfer files. The NSG implementation of BS 7666:2006 also includes supplementary items to support the service delivery requirements and use of Street data within central and local government.

2.2 The Data Co-Operation Agreement

- 2.2.1 Under the New Roads and Street Works Act legislation and the current and future versions of the Data Co-operation Agreement (DCA) with GeoPlace all Local Highway Authorities (LHAs) in England and Wales are responsible for creating and maintaining an LSG and ASD. This data is maintained by the Authority Street Custodian who is required to submit a monthly Full Supply transfer file to the NSG Concessionaire (GeoPlace) under the auspices of the NSG Custodian (who is employed by GeoPlace).
- 2.2.2 ASD based upon the Streets in the NSG must also be maintained and submitted as Full Supply ASD transfer files by National/Regional Highway Authorities to the NSG Concessionaire. Currently the transfer file is a full replacement; however, a move to change only updates (COU) will be considered within future revisions of the New Roads and Street Works Act legislation and codes of practice.

2.3 Governance

- 2.3.1 The maintenance and update regime of the NSG is detailed in the:
- Highways Act 1980;
 - Wildlife and Countryside Act 1981;
 - New Roads and Street Works Act 1991;
 - Traffic Management Act 2004;
 - Code of Practice for the Coordination of Street Works and Works for Road Purposes;

- Code of Practice, Specification for the Reinstatement of the Highway (SROH); and
- Code of Practice for the Technical Specification for EToN (Electronic Transfer of Notices).

NOTE: Versions of these documents used in Wales may differ to those used in England.

- 2.3.2 This document defines the LSG and ASD authority update format governed by the Data Co-operation Agreement for Local Highway Authorities. This specification is cross-referenced to the Technical Specification for EToN and the DEC-NSG – Data Entry Conventions and Best Practice for the NSG.
- 2.3.3 It is a statutory requirement for the NSG Concessionaire to receive, validate and publish the Operational District Data Files (OD Files) detailed in the aforementioned documents. Details of these files are not included in this specification. An OD file must be submitted to the NSG with each Full Supply transfer file of LSG and ASD data.

3 Data Format

3.1.1 All data items (Fields) listed in this specification shall be included in each of the Records in the order that they occur in the relevant Record definition. Each Field shall be separated from the previous one by a comma.

3.2 Data Types

3.2.1 All Fields in each of the Records are defined using one of the following data types:

Data Types		
Data Type	Format	Comments
Date	BS ISO 8601	All dates shall be recorded consistently in the extended format CCYY-MM-DD
Process Time	HHMMSS	The 24 hour clock format is used where HH=hour, MM=minute and SS=seconds
Time	HHMM	The 24 hour clock format is used where HH=hour, MM=minute
Integer (I)	Contains any whole positive number value.	Fields do not need leading zeros. Leading zeros will be ignored if present. Fields must not have thousands separators.
Number (N)	May contain any positive numeric value	Fields do not need leading zeros. Leading zeros will be ignored if present. Fields must not have thousands separators.
Text (T)	All text Fields must be enclosed in double quotes ("xxx")	The double quotes must be ignored as part of the text.

3.2.2 All Fields specified as Mandatory (Man) must contain data. The inclusion of data in other Fields is either Optional (Opt) or Conditional (Con).

3.2.3 If a number Field has no value in a Record, two commas must be entered next to each other. The expected data will be - ,,.

3.2.4 If a text Field has no value in a Record, two double quotes must be entered next to each other. The expected data will be - ,"".,.

3.3 Transfer File Format

3.3.1 LSG and ASD data must be transferred using a Unicode character set (UTF - 8), including the Welsh characters as defined in ISO 8859 – 14, as a Comma Separated Value (CSV) transfer file set.

3.3.2 Each data transfer file must be a single file; the data transfer file must not be split into multiple files using volume numbers.

3.3.3 LSG submissions are Full Supply transfer files, containing the latest versions of Records for Streets, ESUs and ASD. Transfer of data using a change only update mechanism is not specified within this document.

3.3.4 The Street transfer file contains one Record type for each of the different LSG/NSG Records. These Records are described in detail in this document.

3.3.5 The ASD transfer file contains one Record type for each of the different types of ASD.

3.3.6 In each file the first Field of each Record is the Record identifier. The Record identifier determines the content and format of the remainder of the physical Record.

3.3.7 There must only be one Record per line in each file. Do not place a comma at the end of each row in the file.

3.4 Record order

3.4.1 All files must contain HEADER and TRAILER Records as the first and last Records in the file. The order of all other Records within each file is unimportant for Full Supply transfer files.

3.4.2 Processing Order is included in Record types. It should contain a unique number for each Record in each transfer file. The Records should be numbered sequentially from the first Record in the transfer file to the last Record (not including HEADER and TRAILER Records).

3.5 Required Records

3.5.1 The HEADER and TRAILER Records are Mandatory for all transfer file sets. The table below indicates the Mandatory and Optional Record types that must be submitted to the NSG with all Full Supply transfer files. If an Optional Record is entered then the Mandatory Fields in that Record must be included.

Record types			
Record Type	Record Description	Full LSG file	Transfer file name
10	Header	Mandatory	All files ¹
11	Street	Mandatory	xxxx_LG.csv
12	Street Cross Reference	Mandatory	xxxx_LG.csv
13	Elementary Street Unit	Mandatory	xxxx_LG.csv
14	ESU Coordinate	Mandatory	xxxx_LG.csv
15	Street Descriptor	Mandatory	xxxx_LG.csv
16	One Way Exemption	Optional	xxxx_LG.csv
17	Highway Dedication	Mandatory	xxxx_LG.csv
29	LSG Metadata	Mandatory	xxxx_LG.csv
61	Interest	Mandatory	xxxx_AD.csv
62	Construction	Mandatory	xxxx_AD.csv
63	Special Designation	Optional	xxxx_AD.csv
64	Height, Width and Weight Designation	Optional	xxxx_AD.csv
66	PRoW	Optional	xxxx_AD.csv
67	ASD Coordinate	Optional	xxxx_AD.csv
69	ASD Metadata	Mandatory	xxxx_AD.csv
99	Trailer	Mandatory	All files ²

3.5.2 xxxx is used to represent the Street Works Authority Code (SWA Code) of the submitting authority. When DTF8.1 Full Supply transfer files are submitted to the NSG xxxx must be replaced with the SWA Code of the submitting authority.

¹ All Full Supply transfer files must contain Header Records.

² All Full Supply transfer files must contain Trailer Records.

Data Format

- 3.5.3 Each Full Supply transfer file must include an Operational District Data file named xxxx_OD.xml.
- 3.5.4 An Operational District Data file must be transmitted with each Full Supply transfer file in accordance with the latest published documentation for EToN.
- 3.5.5 For a copy of this specification and example files see www.dft.gov.uk and www.govtalk.gov.uk.
- 3.5.6 Change Type.

Change types	
Type	CHANGE_TYPE
I	Insert
U	Update
D	Delete

Change types should all be “I” for insert. The other change types may be used in future iterations of the DTF.

4 Header (type 10) and Trailer (type 99) Records

HEADER RECORD (type 10)				
Field	Description	Type / Max Length	Value range	Status
RECORD_IDENTIFIER	Identifies the Record as a HEADER Record.	I 2	10	Man
SWA_ORG_NAME_TEXT	Name of the organisation providing the data.	T 40		Man
SWA_ORG_REF	A code to identify the user organisation.	I 4		Man
PROCESS_DATE	Date when the transfer file set was created.	Date	1990-01-01 to present date	Man
VOLUME_NUMBER	Must always be VOLUME_NUMBER = 1.	I 2	1	Man
ENTRY_DATE	Most recent Record update date contained in this file (excluding the HEADER and TRAILER Records).	Date		Man
TIME_STAMP	Time when the transfer file set was created, format HHMMSS.	Process Time	HHMMSS	Man
DTF_VERSION	Version number of the DTF specification used.	T 8	"8.1.2.10" ³	Man
FILE_TYPE	Type of file transfer. "F" = Full Supply, "C" = Change Only. Must always be FILE_TYPE = "F" for Full Supply.	T 1	"F", "C"	Man

Record Example

10,"HALTON",0650,2008-06-26,1,2008-06-26,162500,"8.1.2.10","F"

³ Only the "8.1" part of the version number will be validated.

Header (type 10) and Trailer (type 99) Records

TRAILER RECORD (type 99)				
Field	Description	Type / Max Length	Value range	Status
RECORD_IDENTIFIER	Identifies the Record as a TRAILER Record.	1 2	99	Man
NEXT_VOLUME_NUMBER	Must always be NEXT_VOLUME_NUMBER = 0 to indicate the last volume.	1 2	0	Man
RECORD_COUNT	Count of the number of Records in the volume (excluding the HEADER and TRAILER Records).	1 12		Man
ENTRY_DATE	Most recent Record update date contained in this transfer file (excluding the HEADER and TRAILER Records).	Date		Man
TIME_STAMP	Time when the transfer file set was created, format HHMMSS.	Process Time	HHMMSS	Man

Record Example

99,0,239223,2006-07-04,162500

5 Street File (type 11, 12, 13, 14, 15, 16, 17 and 29)

5.1 Street Record (type 11)

STREET RECORD (type 11)				
Field	Description	Type / Max Length	Value range	Status
RECORD_IDENTIFIER	Identifies the Record as a STREET Record.	I 2	11	Man
CHANGE_TYPE	Change identifier. Must always be CHANGE_TYPE = "I" for insert.	T 1	"I", "U", D	Man
PRO_ORDER	Unique numerical value representing the order in which the Records in the Full Supply transfer file should be processed.	I 16		Man
USRN	Unique Street Reference Number.	I 8		Man
RECORD_TYPE	Street type	I 1	See Section 5.1.1	Man
SWA_ORG_REF_NAMING	The SWA Data Capture Code to identify the Street Naming Authority, or if a numbered Street, the Local Highway Authority or the National/Regional Highway Authority.	I 4		Man
STATE	A code to identify the current state of the Street.	I 1	See Section 5.1.2	Man
STATE_DATE	Date when the Street achieved its current state in the real-world.	Date	Present day or earlier	Man

STREET RECORD (type 11)				
Field	Description	Type / Max Length	Value range	Status
STREET_SURFACE	A code to identify the surface finish of the Street.	11	See Section 5.1.3	Man
VERSION	Version number of the Street Record. Must always be VERSION = 1.	11	1	Man
RECORD_ENTRY_DATE	Date when the Record was entered into the LSG.	Date	1990-01-01 to Present day	Man
LAST_UPDATE_DATE	Date when any attribute of the Record was changed.	Date	Greater than or equal to the RECORD_ENTRY_DATE and less than or equal to present day	Man
STREET_START_DATE	Date when the Street started to exist or is planned to start in the real world.	Date		Man ⁴
STREET_END_DATE	Date when the Street ceased to exist in the real world (that is the date when the Street was Permanently Stopped Up or no longer existed in the 'real world' and STATE = 4).	Date	Greater than or equal to STREET_START_DATE and less than or equal to present day	Con ⁵

⁴ The point at which the ground is broken and construction commences. If the date is unknown, a default of 1st June 2015, must be used.

⁵ Required if Street Record is to be closed.

STREET RECORD (type 11)				
Field	Description	Type / Max Length	Value range	Status
STREET_START_X	The X (easting) co-ordinate of the start point of the Street.	N 7.2	80000.00-656100.00	Man
STREET_START_Y	The Y (northing) co-ordinate of the start point of the Street.	N 7.2	5000.00-657700.00	Man
STREET_END_X	The X (easting) co-ordinate of the end point of the Street.	N 7.2	80000.00-656100.00	Man
STREET_END_Y	The Y (northing) co-ordinate of the end point of the Street.	N 7.2	5000.00-657700.00	Man
STREET_TOLERANCE	The tolerance of the start and end co-ordinates (in metres).	I 2	0-99	Man
ESU_COUNT	Number of ESUs associated with the USRN	I 3	0-999	Man

Record Example

11, "I",1,47900007,1,650,2,2008-04-01,1,1,2008-01-10,2008-06-01,2008-04-01,,94325.00,372449.11,164812.12,375070.89,5,5

Notes

1. If a Street is Permanently Stopped Up and no longer exists in the 'real world' the STATE = 4 - Permanently closed, with an appropriate STATE_DATE must be present in the Full Supply transfer file.
2. STATE = 1 - Under construction, should only be used for Streets under construction. As soon as construction has started, a USRN should be assigned in the LSG.
3. VERSION = 1 must be used. Only the most recent version of a USRN must be present in the Full Supply transfer file.
4. Where a Street is closed (STATE = 4 - Permanently closed) no associated type 16 One Way Exemption and ASD Records (type 61, 62, 63, 64, 66, 67) must be present in the Full Supply transfer file.

Street File (type 11, 12, 13, 14, 15, 16, 17 and 29)

5. Where a Street is closed (STATE = 4 - Permanently closed) only closed type 13 ESU Records can be associated with the Street.
6. Where STATE = 5 – Street for addressing purposes only, then:
 - STREET_STATUS = 5 – Street outside scope of EToN – see [Section 6.1](#) - Street Maintenance Responsibility Codes (type 61 Interest Record) must be used; and
 - REINSTATEMENT_TYPE_CODE = 12 – Street outside scope of EToN – see [Section 7.2](#) – Reinstatement type codes (type 62 Construction Record), must be used.

5.1.1 Street Types

5.1.1 - Street types	
Type	Definition
1	Designated Street Name
2	Officially Described Street
3	Numbered Street
4	Unofficial Street name

5.1.2 Street State Code

5.1.2 - Street state codes		
Code	STATE	Maximum Permitted Tolerance Value
1	Under construction	50m
2	Open	10m or half the carriageway width which is the smaller
4	Permanently closed ⁶	10m if closed date is later than 1st October 2013
5	Street for addressing purposes only	10m

⁶ A permanently closed Street is one that no longer exists in the real world. These are Streets that have been physically removed.

NOTE: This should not be used when a Streets has been Permanently Stopped Up, but is physically still in the real world. These Streets should be kept open and dealt with as private Streets (type 61 Interest Record - STREET_STATUS = 3 – Neither 1, 2, 4 nor 5).

5.1.3 Street Surface Code

5.1.3 - Street surface codes	
Code	STREET_SURFACE
1	Metalled
2	Unmetalled
3	Mixed

5.2 Street Cross Reference (XRef) Record Structure (type 12)

STREET XREF RECORD (type 12)				
Field	Description	Type / Max Length	Value Range	Status
RECORD_IDENTIFIER	Identifies the Record as a STREET XREF Record.	I 2	12	Man
CHANGE_TYPE	Change identifier. Must always be CHANGE_TYPE = "I" for insert.	T 1	"I", "U", "D"	Man
PRO_ORDER	Unique numerical value representing the order in which the Records in the Full Supply transfer file should be processed.	I 16		Man
USRN	Unique Street Reference Number.	I 8		Man
USRN_VERSION_NUMBER	Version number of the parent Street Record. Must always be USRN_VERSION_NUMBER = 1	I 1	1	Man
ESUID	ESUID of the cross referenced ESU	I 14		Man
ESU_VERSION_NUMBER	A sequential number Version number of the Street XREF Record. Must always be ESU_VERSION_NUMBER = 1	I 1	1	Man

Record Example

12,"I",2,47900007,1,3334560344444,1

Notes

1. Each type 11 Street Record may have one or more dependent (that is child) type 12 Street XREF Records which are referenced using the USRN.
2. Each Street XREF Record cross references a USRN to a type 13 Elementary Street Unit Record.
3. Each cross referenced Record must be present in the same Full Supply transfer file.

4. Every type 13 ESU Record must be cross referenced to either a type 11 Street Record, RECORD_TYPE = 1 or 2 Street.
5. Every type 13 ESU Record cross referenced to either a type 11 Street Record, RECORD_TYPE = 3 or 4, must also be cross referenced to either a type 11 Street Record, RECORD_TYPE = 1 or 2 Street.
6. A type 13 ESU Record must not be cross referenced to more than one type 11 Street Record, RECORD_TYPE = 1 or 2 Street unless one of the Streets has a Street STATE = 5 – Street for addressing purposes only.
7. Every type 11 Street Record, RECORD_TYPE = 3 Street must be cross referenced to at least one type 13 ESU Record.
8. Every type 11 Street Record, RECORD_TYPE = 4 Street must be cross referenced to at least one type 13 ESU Record.

5.3 Elementary Street Unit (ESU) Record (type 13)

ELEMENTARY STREET UNIT (ESU) RECORD (type 13)				
Field	Description	Type / Max Length	Value range	Status
RECORD_IDENTIFIER	Identifies the Record as an ESU Record.	I 2	13	Man
CHANGE_TYPE	Change identifier. Must always be CHANGE_TYPE = "I" for insert.	T 1	"I", "U", "D"	Man
PRO_ORDER	Unique numerical value representing the order in which the Records in the Full Supply transfer file should be processed.	I 16		Man
ESUID	Mid-point British National Grid coordinate of the ESU. A unique identifier for the ESU.	I 14		Man
ESU_VERSION_NUMBER	A sequential number indicating the version of the Record.	I 1	1	Man
NUM_COORD_COUNT	The total number of coordinates counted that define the Street's geometry. This number includes the start and end coordinate held in the ESU Record and any additional ESU_COORDS Records. Also known as the number of shaping vertices.	I 3	2-999	Man
ESU_TOLERANCE	The tolerance of all coordinate points. Tolerance is defined in metres.	I 2	Value 1, 5, 10 or 50	Man
ESU_ENTRY_DATE	Date when the Record was entered or a new instance created.	Date	1990-01-01 to present date	Man
ESU_START_DATE	Date when the section of the Street represented by the ESU was created in the real world or planned to start.	Date		Man

ELEMENTARY STREET UNIT (ESU) RECORD (type 13)				
Field	Description	Type / Max Length	Value range	Status
ESU_LAST_UPDATE_DATE	Date when any attribute of the ESU Record was changed.	Date	Greater than or equal to the ESU_ENTR Y_DATE and less than or equal to present day	Man
ESU_END_DATE	Date when the ESU ceased to exist in the real world or the date when the Elementary Street Unit Record was closed.	Date	Greater than or equal to ESU_START_DATE and less than or equal to present day	Con ⁷
ESU_DIRECTION	Indicates whether traffic flow is restricted in a particular direction.	11	See Section 5.3.1	Man

Record Example

13,"I",3,3334560344444,1,5,5,2004-04-01,2004-04-01,2004-04-04,2004-04-04,1

Notes

1. ESUIDs should be initially constructed by combining the easting and northing at the mid-point of the ESU.
2. Note that the zero filling of the easting may disappear when the ESUID is converted to a numeric value. For example an ESU with a centre of 81237,

⁷ Required if ESU Record is closed.

657700 has an ESUID of 00812370657700. However the Full Supply transfer file has the value 812370657700.

3. It is possible that ESUIDs are duplicated in other LSGs. When compiling more than one LSG into a user defined combined database the ESUID must be used with the SWA_ORG_REF_NAMING code (LAID) of the SNN Authority as the unique identifier. This is to ensure a nationally unique and persistent identifier is used in that user defined combined database.
4. Each Elementary Street Unit Record is a dependent (that is child) of a type 12 Street XREF Record and is cross referenced using the ESUID.
5. If an ESU is closed, it is not necessary to delete all ESU coordinates from the Full Supply transfer file.
6. Only the most recent version of an ESU must be present in the Full Supply transfer file.

5.3.1 ESU Direction Codes

5.3.1 - ESU direction codes	
Code	ESU_DIRECTION
1	Two Way
2	One way in direction from Start to End coordinate.
3	One way in direction from End to Start coordinate.

5.4 Elementary Street Unit (ESU) Coordinates Record (type 14)

ELEMENTARY STREET UNIT (ESU) COORDINATES RECORD (type 14)				
Field	Description	Type / Max Length	Value range	Status
RECORD_IDENTIFIER	Identifies the Record as an ESU COORDINATES Record.	I 2	14	Man
CHANGE_TYPE	Change identifier. Must always be CHANGE_TYPE = "I" for insert.	T 1	"I", "U", "D"	Man
PRO_ORDER	Unique numerical value representing the order in which the Records in the Full Supply transfer file should be processed.	I 16		Man
ESUID	Mid-point British National Grid coordinate of the ESU. The unique identifier for the ESU.	I 14		Man
ESU_VERSION_NUMBER	A sequential number indicating the version of the Record.	I 1	1	Man
COORD_NUMBER	Sequential counter of the coordinates for an ESU. Range starts at 1 and must be less than or equal to the value of NUM_COORD on the corresponding parent Elementary Street Unit Record. Indicator as to the order of the coordinates for an ESU.	I 3	1-999	Man
ESU_X_COORD	The X (eastings) coordinate of a point on the ESU. Coordinates are defined in metres.	N 7.2	80000.00-656100.00	Man
ESU_Y_COORD	The Y (northings) coordinate of a point on the ESU. Coordinates are defined in metres.	N 7.2	5000.00-657700.00	Man

Record Example

14,"I",4,334560344444,1,1,371939.55,164768.65

Notes

1. Each ESU Coordinates Record is a dependent, (that is child), of a type 13 Elementary Street Unit Record and is cross referenced using the ESUID.
2. All cross referenced Elementary Street Unit Records must be present in the Full Supply transfer file.

5.5 Street Descriptor Record (type 15)

STREET DESCRIPTOR RECORD (type 15)				
Field	Description	Type / Max Length	Value range	Status
RECORD_IDENTIFIER	Identifies the Record as a STREET DESCRIPTOR Record.	I 2	15	Man
CHANGE_TYPE	Change identifier. Must always be CHANGE_TYPE = "I" for insert.	T 1	"I", "U", "D"	Man
PRO_ORDER	Unique numerical value representing the order in which the Records in the Full Supply transfer file should be processed.	I 16		Man
USRN	Unique Street Reference Number.	I 8		Man
STREET_DESCRIPTOR	Name, description or Street number.	T 100	See Note 8. See Section 5.5.2	Man
LOCALITY_NAME	Locality name.	T 35		Con ⁸
TOWN_NAME	Administrative Town Village or defined Settlement name.	T 30		Con ⁹
ADMINISTRATIVE_AREA	Local Highway Authority name.	T 30		Man
LANGUAGE	A code to identify the language in use for the descriptive identifier.	T 3	See Section 5.5.1	Man

Record Example

15,"I",7,47900011,"GREAT CHARLES CLOSE",,"","ST STEPHEN","CORNWALL","ENG"

⁸ Required where Street and town combination are not unique in LSG.

⁹ Mandatory for type 1 and 2 Streets. Optional for type 3 and 4 Streets. Town name must be present when locality is present.

Notes

1. Each Street Descriptor Record is a dependent of a type 11 Street Record and is cross referenced using the USRN.
2. All cross referenced type 11 Street Records must be present in the Full Supply transfer file.
3. TOWN_NAME is Mandatory for type 1 Streets and type 2 Streets. It is Optional for type 3 and 4 Streets.
4. ADMINISTRATIVE_AREA names are provided in Appendix B of the DEC-NSG v3.6 (under review) documentation. For Districts this name must be the name of the County Local Highway Authority and must exclude the phrase 'County Council' (see Appendix B of the DEC-NSG v3.6 (under review)). For all types of Unitary the name must be the name of the Local Highway Authority and exclude the words council, borough or metropolitan etc. (See Appendix B of the DEC-NSG v3.6 (under review)).
5. Welsh authorities must submit two Street Descriptor Records for each Street Record; one for the Welsh language (LANGUAGE = "CYM") and one for the English language (LANGUAGE = "ENG"). If the Street has not officially been translated into Welsh then the same description should be entered for both Welsh and English Records.
6. English authorities must only submit one Street Descriptor Record for each Street Record; this must be for the English language only (LANGUAGE = "ENG").
7. If a type 15 Street Descriptor Record relating to a Street changes or if additions are made then the LAST_UPDATE_DATE in the corresponding type 11 Street Record must reflect the date of the change.
8. [Section 5.5.2](#) details the reserved prefixes for different classes type 11 Street Record RECORD_TYPE = 3 Streets.

5.5.1 Street Descriptor Record (type 15) Language codes

5.5.1 - Language codes	
Code	LANGUAGE
"ENG"	Identifies the Street descriptor Record as the English version.
"CYM"	Identifies the Street descriptor Record as the Welsh version.

Street File (type 11, 12, 13, 14, 15, 16, 17 and 29)

5.5.2 Reserved prefixes for type 11 Street Record RECORD_TYPE = 3 Streets

5.5.2 – Reserved prefixes	
Prefix	Highway class
A	A Road
B	B Road
C	C Road
LCR	Local Cycle Route
M	Motorway
NCR	National Cycle Route
Y	Public Right of Way

5.6 One Way Exemption Record (type 16)

ONE WAY EXEMPTION RECORD (type 16)				
Field	Description	Type / Max Length	Value range	Status
RECORD_IDENTIFIER	Identifies the Record as a ONE WAY EXEMPTION Record.	I 2	16	Man
CHANGE_TYPE	Change identifier. Must always be CHANGE_TYPE = "I" for insert.	T 1	"I", "U", "D"	Man
PRO_ORDER	Unique numerical value representing the order in which the Records in the Full Supply transfer file should be processed.	I 16		Man
ESUID	ESUID number.	I 14		Man
SEQUENCE_NUMBER	Sequential number for each one way Record applicable to an ESU.	I 3		Man
ONE_WAY_EXEMPTION_TYPE	Type of traffic which is exempt from one way restrictions.	I 1	See Section 5.6.1	Man
RECORD_ENTRY_DATE	Date when the Record was entered or a new instance created.	Date	Present day or earlier	Man
LAST_UPDATE_DATE	Date when any attribute of the Record was changed.	Date	Greater than or equal to the RECORD_ENTRY_DATE and less than or equal to present day	Man
RECORD_END_DATE	Date when the Record ceased to exist.	Date	Present day or earlier	Con ¹⁰

¹⁰ Required if the Record is to be closed.

ONE WAY EXEMPTION RECORD (type 16)				
Field	Description	Type / Max Length	Value range	Status
ONE_WAY_EXEMPTION_START_DATE	Date when the Exemption starts.	Date		Opt
ONE_WAY_EXEMPTION_END_DATE	Date when the Exemption ends.	Date		Con ¹¹
ONE_WAY_EXEMPTION_START_TIME	If the Special Designation has a specified time period, time when the Special Designation starts.	Time		Opt
ONE_WAY_EXEMPTION_END_TIME	If the Special Designation has a specified time period, time when the Special Designation ends.	Time		Con ¹²
ONE_WAY_EXEMPTION_PERIODICITY_CODE	Code to identify the periodicity of the restriction.	1 2	See Section 5.6.2	Man

Record example

16,"I",456,3768470166493,1,2,2004-03-15,2004-03-15,2008-10-02,,,0730,1030,1

Notes

1. Each One Way Exemption Record is a dependent (that is child) of a type 13 Elementary Street Unit Record and is cross referenced by the ESUID.
2. All cross referenced type 13 Elementary Street Unit Records must be present in the Full Supply transfer file and have either ESU_DIRECTION = 2 or 3.
3. One Way Exception Records must be submitted for a Street only if the ESU_DIRECTION = 2 or 3.
4. Where ONE_WAY_EXEMPTION_START_DATE is completed, ONE_WAY_EXEMPTION_END_DATE must also be completed.
5. Where ONE_WAY_EXEMPTION_START_TIME is completed, ONE_WAY_EXEMPTION_END_TIME must also be completed.

¹¹ End Date must only be present where the exception is no longer active.

¹² End time must only be present if start time present.

5.6.1 One Way Exemption types

5.6.1 - One Way Exemption types	
Code	ONE_WAY_EXEMPTION_CODE
1	Buses
2	Cycles
3	Taxis
4	Emergency vehicles
5	HGVs and Vans

5.6.2 One Way Exemption Periodicity

5.6.2 - One Way Exemption Periodicity	
Code	ONE_WAY_EXEMPTION_PERIODICITY_CODE
1	Everyday
2	Working days only
3	Weekends
4	Code not used
5	Code not used
6	Code not used
7	Monday only
8	Tuesday only
9	Wednesday only
10	Thursday only
11	Friday only
12	Saturday only
13	Sunday only
14	Public and Bank Holidays
15	Continuous ¹³

¹³ ONE_WAY_EXEMPTION_START_DATE, ONE_WAY_EXEMPTION_END_DATE, ONE_WAY_EXEMPTION_START_TIME and ONE_WAY_EXEMPTION_END_TIME must also be present.

5.7 Highway Dedication (type 17)

HIGHWAY DEDICATION (type 17)				
Field	Description	Type / Max Length	Value range	Status
RECORD_IDENTIFIER	Identifies the Record as a HIGHWAY DEDICATION Record.	I 2	17	Man
CHANGE_TYPE	Change identifier. Must always be CHANGE_TYPE = "I" for insert.	T 1	"I", "U", "D"	Man
PRO_ORDER	Unique numerical value representing the order in which the Records in the Full Supply transfer file should be processed.	I 16		Man
ESUID	ESUID number.	I 14		Man
SEQUENCE_NUMBER	Sequential number for each Highways Dedication that is applicable to an ESU.	I 2	1-99	Man ¹⁴
HIGHWAY_DEDICATION_CODE	The type of Highway Dedication that applies to this section of the Street.	I 2	See Section 5.7.1	Man ¹⁵
RECORD_ENTRY_DATE	Date when the Record was entered or a new instance created.	Date	Present day or earlier	Man
LAST_UPDATE_DATE	Date when any attribute of the Record was changed.	Date	Greater than or equal to the RECORD_ENTRY_DATE and less than or equal to	Man

¹⁴ Only applicable where more than one Highway Dedication applies to the same ESU, for example when there are multiple times restrictions or seasonal dates.

¹⁵ Where an ESU has a HIGHWAY_DEDICATION_CODE = 2, 4, 6, 9 or 10, and a type 66 PRow Record is present, they must be the same.

HIGHWAY DEDICATION (type 17)				
Field	Description	Type / Max Length	Value range	Status
			present day	
RECORD_END_DATE	Date when the Record ended.	Date	Present day or earlier	Con ¹⁶
HD_START_DATE	Date the Highway Dedication legally starts.	Date		Man ¹⁷
HD_END_DATE	Date the Highway Dedication legally ends.	Date		Opt
HD_SEASONAL_START_DATE	If the Highway Dedication is seasonal or periodical, date when the Highway Dedication starts. (Year should not be entered)	Date	DD-MM	Opt
HD_SEASONAL_END_DATE	If the Highway Dedication is seasonal or periodical, date when the Highway Dedication ends. (Year should not be entered)	Date	DD-MM	Con ¹⁸
HD_START_TIME	If the Highway Dedication has a specified time period, time when the designation starts.	Time		Opt
HD_END_TIME	If the Highway Dedication has a specified time period, time when the designation ends.	Time		Con ¹⁹
HD_PROW	ESU is subject to a PRow, 0 = No, 1 = Yes.	1 1	0,1	Man ²⁰

¹⁶ Required if the Record is to be closed. Only be entered where the Highway Dedication has been Extinguished.

¹⁷ The point at which the ground is broken and construction commences. If the date is unknown, a default of 1st June 2015, must be used.

¹⁸ End Date must be present when start date is present.

¹⁹ End time must be present when start time is present.

²⁰ Records that are a PRow should have a type 66 PRow Record.

HIGHWAY DEDICATION (type 17)				
Field	Description	Type / Max Length	Value range	Status
HD_NCR	ESU is subject to a formal cycle classification ²¹ 0 = No, 1 = Yes.	1 1	0,1	Man ²²
HD_QUIET_ROUTE	This ESU is a dedicated Quiet Route 0 = No, 1 = Yes	1 1	0,1	Opt
HD_OBSTRUCTION	ESU contains physical obstruction to vehicles 0 = No, 1 = Yes	1 1	0,1	Man ²³
HD_PLANNING_ORDER	A pedestrian planning order applies to this ESU part of the Highway 0 = No, 1 = Yes	1 1	0,1	Opt
HD_WORKS_PROHIBITED	To be used when a TRO prohibit any works in the Highway at all times 0 = No, 1 = Yes	1 1	0,1	Opt

Record example

17,"I",567,3768470166493,5,2,2004-03-15,2004-03-15,,2004-03-15,,01-07,01-10,0730,1030,1,0,0,0,,

Notes

1. Highway Dedication applies to each type 13 ESU Record.
2. Highway Dedication is Mandatory for all open ESUs where a corresponding type 11 Street Record STATE = 2 - Open.
3. ESUs where a corresponding type 11 Street Record STATE = 1 - Under construction, must have a Highway Dedication Record with HIGHWAY_DEDICATION_CODE = 12 – Neither 2, 4, 6, 8, 9, 10 nor 11.
4. ESUs where a corresponding type 11 Street Record STATE = 4 – Permanently closed, the Highway Dedication Field RECORD_END_DATE must be entered.

²¹ Please refer to the National Cycle Route network.

²² Records that are a National Cycle Route should have a type 66 PRoW Record.

²³ ESUs should not be split at points where the physical obstruction is temporary or moveable (e.g. rising bollards).

5.7.1 Highway Dedication Codes

5.7.1 - Highway Dedication codes	
Code	HIGHWAY_DEDICATION_CODE
2	Byway Open to All Traffic (BOAT)
4	Pedestrian way or footpath
6	Cycle Track or Cycle Way
8	All Vehicles
9	Restricted byway
10	Bridleway
11	Motorway
12	Neither ²⁴ 2, 4, 6, 8, 9, 10 nor 11 ²⁵

²⁴ This code must only be present on a Street defined as STREET_STATUS = 3 (Neither 1, 2, 4 nor 5) in [Section 6.1](#) - Street Maintenance Responsibility (type 61 Interest Record)

²⁵ Streets with no public access fall under this category. *Ref Section 232 (2) Highways Act. "...to be a private street, and thereupon the land is to be deemed to have been dedicated to the use of the public as a highway and to be a private street..."*

5.8 LSG Metadata Record (type 29)

LSG METADATA RECORD (type 29)				
Field	Description	Type	Value	Status
RECORD_IDENTIFIER	Identifies this Record as a LSG METADATA Record.	I 2	29	Man
TER_OF_USE	Geographic domain of the gazetteer.	T 60		Man
LINKED_DATA	List of application dataset used to update the LSG.	T 100		Opt
NGAZ_FREQ	Frequency with which LSG is maintained and sent to the NSG Custodian.	T 1	"M"	Man
CUSTODIAN_NAME	Organisation or department/function responsible for the compilation and maintenance of the data in the gazetteer that is a DCA Participating Authority.	T 40		Man
CUSTODIAN_UPRN	UPRN of Authority Street Custodian location.	I 12		Man
AUTH_CODE	Issued by NSG Custodian	I 4		Man
CO_ORD_SYSTEM	Co-ordinate reference system used in the gazetteer to describe position that is the British National Grid.	T 40	"British National Grid"	Man
CO_ORD_UNIT	Measure of coordinates used within the gazetteer	T 10	"Metres"	Man
META_DATE	Date metadata was last updated.	Date		Man
CLASS_SCHEME	Classification scheme used for all multiple value specified Fields for example DEC-NSG v8.1.	T 40		Man
GAZ_DATE	Date at which the gazetteer can be considered to be current.	Date		Man

LSG METADATA RECORD (type 29)				
Field	Description	Type	Value	Status
LANGUAGE	Language(s) used for descriptors within the gazetteer.	T 3	See Section 5.8.1	Man
CHARACTER_SET	Textual description of character set used for the data present in the Full Supply transfer file.	T 30		Man
CONTENT_MOTORWAY_TRUNK_ROAD	Percentage of Motorway / Trunk roads that are present in GeoPlace.	I 3	0-100	Man
CONTENT_PRIVATE_STREET	Percentage of private Streets that are present in GeoPlace.	I 3	0-100	Man
CONTENT_PRN	Percentage of the Primary Route Network that is present in GeoPlace.	I 3	0-100	Man
CONTENT_CLASSIFIED_ROAD	Percentage of Classified Roads that are present in GeoPlace.	I 3	0-100	Man
CONTENT_PROW_FOOTPATH	Percentage of PRow defined Footpaths that are present in GeoPlace.	I 3	0-100	Man
CONTENT_PROW_BRIDLEWAY	Percentage of PRow defined Bridleways that are present in GeoPlace.	I 3	0-100	Man
CONTENT_PROW_RESTRICTED_BYWAY	Percentage of PRow defined Restricted Byways that are present in GeoPlace.	I 3	0-100	Man
CONTENT_PROW_BOAT	Percentage of PRow defined Byways Open to All Traffic that are present in GeoPlace.	I 3	0-100	Man
CONTENT_NATIONAL_CYCLE_ROUTE	Percentage of National Cycle Routes that are present in GeoPlace.	I 3	0-100	Man

Street File (type 11, 12, 13, 14, 15, 16, 17 and 29)

Record example

29,"Cornwall",,"","M","Highways",100041031005,840,"British National Grid","Metres",2013-01-02,"DTF8.1",2013-01-02,"ENG","English",100,80,50,100,80,100,0,80,80

Notes

1. The language code of "BIL" must be used in the LSG Metadata Record only to show that both English and Welsh are fully represented on equal terms in the gazetteer.

5.8.1 LSG METADATA RECORD Codes

5.8.1 - Metadata Language codes	
Code	LANGUAGE
"ENG"	English
"BIL"	Bilingual using English and Welsh languages

6 Interest Record (type 61)

INTEREST RECORD (type 61)				
Field	Description	Type / Max Length	Value Range	Status
RECORD_IDENTIFIER	Identifies the Record as an INTEREST Record.	I 2	61	Man
CHANGE_TYPE	Change identifier. Must always be CHANGE_TYPE = "I" for insert.	T 1	"I", "U", "D"	Man
PRO_ORDER	Unique numerical value representing the order in which the Records in the Full Supply transfer file should be processed.	I 16		Man
USRN	Unique Street Reference Number.	I 8		Man
ADDITIONAL_STREET_SEQUENCE_NUM	Sequential number for each Street for each additional Street information Record.	I 3		Man
SWA_ORG_REF_AUTHORITY	Code to identify the authority which has an interest in the Street.	I 4		Man
DISTRICT_REF_AUTHORITY	Code to identify the Operational District within the authority.	I 3	District_Ref	Man
RECORD_START_DATE	Date when the Record started.	Date	1990-01-01 to present day	Man
LAST_UPDATE_DATE	Date when any attribute of the Record was changed.	Date	Greater than or equal to the RECORD_START_DATE and less than or equal	Man

Interest Record (type 61)

INTEREST RECORD (type 61)				
Field	Description	Type / Max Length	Value Range	Status
			to present day	
RECORD_END_DATE	Date when the Record ends	Date	Present day or earlier	Con ²⁶
WHOLE_ROAD	Indicator as to whether the additional Street information applies to the Whole Road. 0 indicates that it does not apply to the WHOLE_ROAD.	I 1	0,1	Man
ASD_COORDINATE	Where WHOLE_ROAD = 0 do ASD Coordinate Records (type 67 Records) exist No = 0, Yes = 1. Where WHOLE_ROAD = 1 this Record must not be present.	I 1	0,1	Con ^{27 28}
ASD_COORDINATE_COUNT	Where ASD_COORDINATEs are present in the Full Supply transfer file. This is the count of coordinates expected in the type 67 ASD Coordinate Record.	I 3	1-999	Con ²⁹
ADDITIONAL_STREET_LOCATION_TEXT	Description of the location of the parts of the Street to which this additional Street Record applies. For part Street Records only.	T 250		Con ³⁰

²⁶ Required if the Record is to be closed.

²⁷ If WHOLE_ROAD = 0 then the ASD_COORDINATE field must not be null.

²⁸ ASD_COORDINATE = 1 if the feature is either a Polygon or Line.

²⁹ Required if ASD_COORDINATE = 1.

³⁰ Required if WHOLE_ROAD = 0 and ASD_COORDINATE = 0.

Interest Record (type 61)

INTEREST RECORD (type 61)				
Field	Description	Type / Max Length	Value Range	Status
SWA_ORG_REF_MAINTAINING	Code to identify the Street Authority that is legally responsible for maintaining the street where this is not the Local Highway Authority. For example, TfL, Highways England and Welsh Government. ³¹	I 4	0011, 0016, 0020, 7093 ³²	Con ³³
STREET_STATUS	Street status as defined within the Street Maintenance Responsibility table.	I 2	See Section 6.1	Con ³⁴
INTEREST_TYPE	Code to identify the nature of the interest that the organisation has in the Street. Defined within the SWA Data Capture Codes.	I 2	See Section 6.2	Man
START_X	The X (eastings) coordinate of the start point. For part Street definitions only where ASD_COORDINATE = 0	N 7.2	80000.00-656100.00	Con ³⁵
START_Y	The Y (northings) coordinate of the start point. For part Street definitions only where ASD_COORDINATE = 0	N 7.2	5000.00-657700.00	Con ³⁶
END_X	The X (eastings) coordinate of the end point. For part Street definitions only where ASD_COORDINATE = 0	N 7.2	80000.00-656100.00	Con ³⁷

³¹ Where there is a Local Maintenance Agreement this must not be included.

³² Current as of 1st June 2016. Subject to change, refer to NSG DTF8.1 Compliance Check Specification.

³³ Must only be entered where STREET_STATUS = 4 (Maintenance responsibility is to another Highway Authority).

³⁴ STREET_STATUS = 1, 2, 3 or 5 required when INTEREST_TYPE = 1.

³⁵ Coordinates required if WHOLE_ROAD = 0 and ASD_COORDINATE = 0.

³⁶ Coordinates required if WHOLE_ROAD = 0 and ASD_COORDINATE = 0.

³⁷ Coordinates required if WHOLE_ROAD = 0 and ASD_COORDINATE = 0.

Interest Record (type 61)

INTEREST RECORD (type 61)				
Field	Description	Type / Max Length	Value Range	Status
END_Y	The Y (northings) coordinate of the end point. For part Street definitions only where ASD_COORDINATE = 0	N 7.2	5000.00-657700.00	Con ³⁸

Record example

61,"I",444,47900011,1,0114,1,1990-01-01,1997-01-01,,0,0,,"North End of Road",0114,1,1,0121212.00,0067670.50,0121313.75,0067680.25

Notes

1. Each ASD Interest Record is a dependent (that is child) of a type 11 Street Record and is cross referenced using the USRN.
2. All cross referenced type 11 Street Records must be present in the Full Supply transfer file, or in the case when another Street Authority submits data separately from the LSG file (sometimes referred to as uncoupled ASD) the type 11 Street Records must already be present in GeoPlace.
3. If WHOLE_ROAD = 0 then coordinates (START_X, START_Y, END_X, END_Y) and a textual description (ADDITIONAL_STREET_LOCATION_TEXT) must be entered to provide location information.
4. Where STREET_STATUS = 5 – Street outside scope of EToN, then REINSTATEMENT_TYPE_CODE = 12 – Street outside scope of EToN – see [Section 7.2](#) - Reinstatement type codes (type 62 Construction Record), must be used.

³⁸ Coordinates required if WHOLE_ROAD = 0 and ASD_COORDINATE = 0.

6.1 Street Maintenance Responsibility Codes

6.1 - Street Maintenance Responsibility	
Code	STREET_STATUS
1	Maintainable at Public Expense
2	Prospectively Maintainable at Public Expense
3	Neither 1, 2, 4 nor 5 ³⁹
4	Maintenance responsibility is to another Highway Authority
5	Street outside scope of EToN

6.2 Organisation Interest Type

6.2 - Organisation Interest type		
Code	INTEREST_TYPE	Description
1	Primary Notice Authority	The Street Authority or Permit Authority for the Street.
8	All notices	Used when an organisation has an interest in a Street or part Street but is not the Street Authority and wishes to receive all NRSWA notices.
9	Restrictions or licences	Used when an organisation has an interest in a Street or part Street but only wishes to receive details of restriction notices or proposed Street works licences.

³⁹ This code should be used for a private Street.

Note: Private Streets with no public access must have associated HIGHWAY_DEDICATION_CODE = 12 – Neither 2, 4, 6, 8, 9, 10 nor 11 – see [Section 5.6.1](#) - Highway Dedication codes (type 17 Highway Dedication Record).

7 Construction Record (type 62)

CONSTRUCTION RECORD (type 62)				
Field	Description	Type / Max Length	Value Range	Status
RECORD_IDENTIFIER	Identifies the Record as a CONSTRUCTION Record.	I 2	62	Man
CHANGE_TYPE	Change identifier. Must always be CHANGE_TYPE = "I" for insert.	T 1	"I", "U", "D"	Man
PRO_ORDER	Unique numerical value representing the order in which the Records in the Full Supply transfer file should be processed.	I 16		Man
USRN	Unique Street Reference Number.	I 8		Man
RECORD_START_DATE	Date when the Record started.	Date	1990-01-01 to Present day	Man
LAST_UPDATE_DATE	Date when any attribute of the Record was changed.	Date	Greater than or equal to the RECORD_START_DATE and less than or equal to present day	Man
RECORD_END_DATE	Date when the Record ends.	Date	Present day or earlier	Con ⁴⁰

⁴⁰ Required if the Record is to be closed.

CONSTRUCTION RECORD (type 62)				
Field	Description	Type / Max Length	Value Range	Status
CONSTRUCTION_TYPE_SEQ_NUM	Sequential number for each type 62 Record associated with USRN.	1 3		Man
CONSTRUCTION_TYPE	The type of Construction that the Record applies to.	1 1	See Section 7.1	Man
REINSTATEMENT_TYPE_CODE	Reinstatement as defined in the SROH codes of practice.	1 2	See Section 7.2	Con ⁴¹
AGGREGATE_ABRASION_VALUE	Value as defined in the SROH codes of practice.	1 2	See Section 7.3	Opt
POLISHED_STONE_VALUE	Value as defined in the SROH codes of practice.	1 2	See Section 7.4	Opt
FROST_HEAVE_SUSCEPTIBILITY	No = 0, Yes = 1	1 1	0,1	Opt
STEPPED_JOINT	No = 0, Yes = 1	1 1	0,1	Opt
WHOLE_ROAD	Indicator as to whether the Construction Record applies to the Whole Road. 0 indicates that it does not apply to the WHOLE_ROAD, 1 indicates that it does.	1 1	0,1	Man

⁴¹ Mandatory when STREET_CONSTRUCTION_TYPE = 1.

CONSTRUCTION RECORD (type 62)				
Field	Description	Type / Max Length	Value Range	Status
ASD_COORDINATE	Where WHOLE_ROAD = 0 do type 67 ASD Coordinate Records exist No = 0, Yes = 1. Where WHOLE_ROAD = 1 this Record must not be present.	I 1	0,1	Con ^{42 43}
ASD_COORDINATE_COUNT	Where ASD_COORDINATEs are present in the Full Supply transfer file. This is the count of coordinates expected in the type 67 ASD Coordinate Record.	I 3	1-999	Con ⁴⁴
CONSTRUCTION_LOCATION_TEXT	Description of location of the part or parts of the Street for which this Construction type is applicable.	T 250		Con ⁴⁵
CONSTRUCTION_START_X	The X (eastings) coordinate of the start point of the Construction type. For part Street definitions only where ASD_COORDINATE = 0.	N 7.2	80000.00-656100.00	Con ⁴⁶
CONSTRUCTION_START_Y	The Y (eastings) coordinate of the start point of the Construction type. For part Street definitions only where ASD_COORDINATE = 0.	N 7.2	5000.00-657700.00	Con ⁴⁷

⁴² If WHOLE_ROAD = 0 then the ASD_COORDINATE field must not be null.

⁴³ ASD_COORDINATE = 1 if the feature is either a Polygon or Line.

⁴⁴ Required if ASD_COORDINATE = 1.

⁴⁵ Required if WHOLE_ROAD = 0.

⁴⁶ Coordinates required if WHOLE_ROAD = 0 and ASD_COORDINATE = 0.

⁴⁷ Coordinates required if WHOLE_ROAD = 0 and ASD_COORDINATE = 0.

CONSTRUCTION RECORD (type 62)				
Field	Description	Type / Max Length	Value Range	Status
CONSTRUCTION_END_X	The X (northings) coordinate of the end point of the Construction type. Coordinates are defined in metres. For part Street definitions only where ASD_COORDINATE = 0.	N 7.2	80000.00-656100.00	Con ⁴⁸
CONSTRUCTION_END_Y	The Y (northings) coordinate of the end point of the Construction type. For part Street definitions only where ASD_COORDINATE = 0.	N 7.2	5000.00-657700.00	Con ⁴⁹
CONSTRUCTION_DESCRIPTION	Description providing additional Construction information for certain definitions.	T 250		Opt
SWA_ORG_REF_CONSULTANT	Code to identify the Highway Authority which must be consulted about the Construction.	I 4	SWA_Code	Opt
DISTRICT_REF_CONSULTANT	Code to identify the Operational District of the Highway Authority which must be consulted about the Construction.	I 3		Opt

Record example

62,"I",578,62479000,1990-01-01,1997-01-01,,1,1,4,12,68,0,0,0,1,22,"100m from Kings Road",,,,,,"",0114,001

⁴⁸ Coordinates required if WHOLE_ROAD = 0 and ASD_COORDINATE = 0.

⁴⁹ Coordinates required if WHOLE_ROAD = 0 and ASD_COORDINATE = 0.

Notes

1. Each Construction Record is a dependent (that is child) of a type 11 Street Record and is cross referenced using the USRN.
2. All cross referenced type 11 Street Records must be present in the Full Supply transfer file, or in the case of ASD submitted by the Street Authority, where they are not the Local Highway Authority, type 11 Street Records must already be present in GeoPlace.
3. If WHOLE_ROAD = 0, then coordinates (CONSTRUCTION_START_X, CONSTRUCTION_START_Y, CONSTRUCTION_END_X, CONSTRUCTION_END_Y) and a textual description (CONSTRUCTION_LOCATION_TEXT) must be entered to provide location information.
4. Where REINSTATEMENT_TYPE_CODE = 12 – Street outside scope of EToN, then STREET_STATUS = 5 – Street outside scope of EToN – see [Section 6.1](#) - Street Maintenance Responsibility Codes (type 61 Interest Record), must be used.

7.1 Construction Type

7.1 - Construction type	
Code	CONSTRUCTION_TYPE
1	Street Reinstatement
2	Special Surface
3	Special Construction Needs

7.2 Reinstatement Type Codes

7.2 - Reinstatement type codes	
Code	REINSTATEMENT_TYPE_CODE
1	Carriageway type 1 (10 to 30 MSA)
2	Carriageway type 2 (2.5 to 10 MSA)
3	Carriageway type 3 (0.5 to 2.5 MSA)
4	Carriageway type 4 (up to 0.5 MSA)
5	Carriageway type 0 (30 to 125 MSA)
6	High Duty Footway
7	High Amenity Footway
8	Other Footways

7.2 - Reinstatement type codes	
Code	REINSTATEMENT_TYPE_CODE
9	Private Street – No definition information held by Street Authority
10	Carriageway type 6 (over 125 MSA)
11	Street maintained by another Highway Authority
12	Street outside scope of ETon

7.3 Aggregate Abrasion Value

7.3 - AGGREGATE_ABRASION_VALUE (AAV)		
Street Reinstatement type code	All Pre Coated Chippings	SMA, Material to PD6691 Surface Courses
5	10	12
1	12	14
2	12	14
3	14	16
4	14	16

7.4 Polished Stone Value

7.4 - POLISHED_STONE_VALUE (PSV)		
Street Reinstatement type code	Site A Potentially High Risk	Site B Average or Low Risk
5	68	68
1	68	65
2	65	60
3	65	55
4	65	55

8 Special Designation Record (type 63)

SPECIAL DESIGNATION RECORD (type 63)				
Field	Description	Type / Max Length	Value Range	Status
RECORD_IDENTIFIER	Identifies the Record as a SPECIAL DESIGNATION Record.	I 2	63	Man
CHANGE_TYPE	Change identifier. Must always be CHANGE_TYPE = "I" for insert.	T 1	"I", "U", "D"	Man
PRO_ORDER	Unique numerical value representing the order in which the Records in the Full Supply transfer file should be processed.	I 16		Man
USRN	Unique Street Reference Number.	I 8		Man
STREET_SPECIAL_DESIGN_NUM	Sequential number for each type 63 Record associated with USRN.	I 3		Man
STREET_SPECIAL_DESIGN_CODE	Code to identify the type of Special Designation that the Record applies to (for example, Traffic Sensitive Street)	I 2	See Section 8.1	Man
WHOLE_ROAD	Indicator as to whether the Special Designation applies to the Whole Road. 0 indicates that it does not apply to the WHOLE_ROAD, 1 indicates that it does.	I 1	0,1	Man
RECORD_START_DATE	Date when the Record started.	Date	1990-01-01 to Present day	Man
LAST_UPDATE_DATE	Date when any attribute of the Record was changed.	Date	Greater than or equal to the RECORD_START_DATE and less than or equal	Man

8 Special Designation Record (type 63)

SPECIAL DESIGNATION RECORD (type 63)				
Field	Description	Type / Max Length	Value Range	Status
			to present day	
RECORD_END_DATE	Date when the Record ends.	Date	Present day or earlier	Con ⁵⁰
ASD_COORDINATE	Where WHOLE_ROAD = 0 do ASD Coordinate Records (Type 67 Records) exist No = 0, Yes = 1. Where WHOLE_ROAD = 1 this Record must not be present.	I 1	0,1	Con ^{51 52}
ASD_COORDINATE_COUNT	Where ASD_COORDINATEs are present in the Full Supply transfer file. This is the count of coordinates expected in the type 67 ASD Coordinate Record.	I 3	1-999	Con ⁵³
SPECIAL_DESIG_PERIODICITY_CODE	Code to identify the periodicity of the restriction.	I 2	See Section 8.2	Man
SPECIAL_DESIG_LOCATION_TEXT	Description of the location of the Special Designation within the Street.	T 250		Con ⁵⁴
SPECIAL_DESIG_START_X	The X (eastings) coordinate of the start point of the Special Designation. Coordinates are defined in metres. For part Street designations only where ASD_COORDINATE = 0.	N 7.2	80000.00-656100.00	Con ⁵⁵
SPECIAL_DESIG_START_Y	The Y (northings) coordinate of the start point of the Special	N 7.2	5000.00-657700.00	Con ⁵⁶

⁵⁰ Required if the Record is to be closed.

⁵¹ If WHOLE_ROAD = 0 then the ASD_COORDINATE field must not be null.

⁵² ASD_COORDINATE must only be used where the feature is either a Polygon or Line. Where the Record is a Point, ASD_COORDINATE = 0 and no type 67 ASD Coordinate Record is present.

⁵³ Required if ASD_COORDINATE = 1.

⁵⁴ Required if WHOLE_ROAD = 0 and ASD_COORDINATE = 0.

⁵⁵ Required if WHOLE_ROAD = 0 and ASD_COORDINATE = 0.

⁵⁶ Required if WHOLE_ROAD = 0 and ASD_COORDINATE = 0.

8 Special Designation Record (type 63)

SPECIAL DESIGNATION RECORD (type 63)				
Field	Description	Type / Max Length	Value Range	Status
	Designation. Coordinates are defined in metres. For part Street designations only where ASD_COORDINATE = 0.			
SPECIAL_DESIG_END_X	The X (eastings) coordinate of the end point of the Special Designation. Coordinates are defined in metres. For part Street designations only where ASD_COORDINATE = 0.	N 7.2	80000.00-656100.00	Con ⁵⁷
SPECIAL_DESIG_END_Y	The Y (northings) coordinate of the end point of the Special Designation. Coordinates are defined in metres. For part Street designations only where ASD_COORDINATE = 0.	N 7.2	5000.00-657700.00	Con ⁵⁸
SPECIAL_DESIG_START_DATE	Date when the Special Designation starts.	Date		Opt
SPECIAL_DESIG_END_DATE	Date when the Special Designation ends.	Date		Con ⁵⁹
SPECIAL_DESIG_START_TIME	If the Special Designation has a specified time period, time when the Special Designation starts.	Time		Opt
SPECIAL_DESIG_END_TIME	If the Special Designation has a specified time period, time when the Special Designation ends.	Time		Con ⁶⁰
SPECIAL_DESIG_DESCRIPTION	Description providing additional information for certain Special Designations.	T 250		Con ⁶¹
SWA_ORG_REF_CONSULTANT	Code to identify the Street Authority which must be consulted about the Special Designation.	I 4	SWA_Code	Con

⁵⁷ Required if WHOLE_ROAD = 0 and ASD_COORDINATE = 0.

⁵⁸ Coordinates required if WHOLE_ROAD = 0 and ASD_COORDINATE = 0.

⁵⁹ End Date must only be present where the Special Designation is no longer active.

⁶⁰ End time must only be present if start time is present.

⁶¹ Mandatory for all new Records entered after 1st April 2015.

SPECIAL DESIGNATION RECORD (type 63)				
Field	Description	Type / Max Length	Value Range	Status
DISTRICT_REF_CONSULTANT	Code to identify the Operational District for the Street Authority which must be consulted about the Special Designation.	I 3		Con
SOURCE_TEXT	A brief textual summary of the department/function and/or organisation that is the source of this data.	T 120		Opt

Record example

63,"I",580,62479000,4,18,1,2014-01-01,2014-01-01,,1,8,3,"",,,,,,2014-07-07,,1200,1800,"Carnival",0114,001,"Highway maintenance paper file ref CARN12"

Notes

1. Each Special Designation Record is a dependent (that is child) of a type 11 Street Record and is cross referenced using the USRN.
2. All cross referenced type 11 Street Records must be present in the Full Supply transfer file, or in the case of ASD submitted by the Street Authority, where they are not the Local Highway Authority, type 11 Street Records must already be present in GeoPlace.
3. If WHOLE_ROAD = 0 then coordinates (SPECIAL_DESIG_START_X, SPECIAL_DESIG_START_Y, SPECIAL_DESIG_END_X, SPECIAL_DESIG_END_Y) and a textual description (SPECIAL_DESIG_LOCATION_TEXT) must be entered to provide location information.
4. STREET_SPECIAL_DESIG_CODE = 4, 5, 7, 11, 14 and 15 must not be used.
5. SOURCE_TEXT is an optional textual summary Field of the source of the data.

8 Special Designation Record (type 63)

8.1 Special Designation Codes

8.1 - Special Designation codes	
Code	STREET_SPECIAL_DESIG_CODE
1	Protected Street
2	Traffic Sensitive
3	Special Engineering Difficulty (SED)
4	Not used by NSG (Code specifically for EToN transaction)
5	Code no longer in use
6	Proposed Special Engineering Difficulty
7	Code no longer in use
8	Level Crossing Safety Zone
9	Environmentally Sensitive Areas
10	Structures (not designated Special Engineering Difficulty)
11	Code no longer in use
12	Pipelines and specialist cables
13	Priority Lanes
14	Code no longer in use
15	Code no longer in use
16	Lane Rental
17	Streets subject to early notification of immediate activities
18	Special Events
19	Parking Bays and Restrictions
20	Pedestrian Crossings, Traffic Signals and Traffic Sensors
21	Speed Limits
22	Transport Authority Critical Apparatus
23	Strategic Route
24	Street Lighting
25	Drainage and Flood Risk
26	Unusual Traffic Layout
27	Local Considerations

8 Special Designation Record (type 63)

8.1 - Special Designation codes	
Code	STREET_SPECIAL_DESIG_CODE
28	Winter Maintenance Routes
29	HGV Approved Routes
30	Emergency Services Routes

8.2 Special Designation Periodicity Codes

8.2 - Special Designation periodicity codes	
Code	SPECIAL_DESIG_PERIODICITY_CODE
1	Everyday
2	Working days only
3	Weekends
4	Code no longer used
5	Code no longer used
6	Code no longer used
7	Monday only
8	Tuesday only
9	Wednesday only
10	Thursday only
11	Friday only
12	Saturday only
13	Sunday only
14	Public and Bank Holidays
15	Continuous ⁶²
16	Special Arrangements ⁶³

⁶² SPECIAL_DESIG_START_DATE, SPECIAL_DESIG_END_DATE, SPECIAL_DESIG_START_TIME and SPECIAL_DESIG_END_TIME must also be present.

⁶³ Where Special Arrangements are in place, the details must be included within the SPECIAL_DESIG_DESCRIPTION Field.

9 Height, Width and Weight Designation Record (type 64)

HEIGHT, WIDTH AND WEIGHT DESIGNATION RECORD (type 64)				
Field	Description	Type / Max Length	Value range	Status
RECORD_IDENTIFIER	Identifies this Record as an HWW_DESIGNATION Record.	I 2	64	Man
CHANGE_TYPE	Change identifier. Must always be CHANGE_TYPE = "I" for insert.	T 1	"I", "U", "D"	Man
PRO_ORDER	Unique numerical value representing the order in which the Records in the Full Supply transfer file should be processed.	I 16		Man
USRN	Unique Street Reference Number.	I 8		Man
HWW_SEQUENCE_NUMBER	Sequential number for each type 64 Record associated with the USRN.	I 3		Man
HWW_RESTRICTION_CODE	The type of restriction that the Record applies to.	I 1	See Section 9.1	Man
RECORD_ENTRY_DATE	Date when the Record was entered or a new instance created.	Date	Present day or earlier	Man
RECORD_START_DATE	Date when the HWW Restriction came into effect.	Date	Present day or earlier	Man
LAST_UPDATE_DATE	Date when any attribute of the Record was changed.	Date	Greater than or equal to the RECORD_START_DATE and less than or	Man

Height, Width and Weight Designation Record (type 64)

HEIGHT, WIDTH AND WEIGHT DESIGNATION RECORD (type 64)				
Field	Description	Type / Max Length	Value range	Status
			equal to present day	
RECORD_END_DATE	Date when the Record ceased to exist.	Date	Present day or earlier	Con ⁶⁴
WHOLE_ROAD	Indicator as to whether the HWW Restriction applies to the Whole Road. 0 indicates that it does not apply to the WHOLE_ROAD, 1 indicates that it does.	I 1	1,0	Man
ASD_COORDINATE	Where WHOLE_ROAD = 0 do ASD Coordinate Records (type 67 Records) exist No = 0, Yes = 1. Where WHOLE_ROAD = 1 this Record must not be present.	I 1	0,1	Con ^{65 66}
ASD_COORDINATE_COUNT	Where ASD_COORDINATEs are present in the Full Supply transfer file. This is the count of coordinates expected in the type 67 ASD Coordinate Record.	I 3	1-999	Con ⁶⁷
HWW_START_X	The X (eastings) coordinate of the start point of the HWW Restriction. Coordinates are defined in metres. (For Streets that are not Whole Road	N 7.2	80000.00-656100.00	Con

⁶⁴ Required if the Record is to be closed.

⁶⁵ If WHOLE_ROAD = 0 then the ASD_COORDINATE field must not be null.

⁶⁶ ASD_COORDINATE must only be used where the feature is either a Polygon or Line. Where the Record is a Point, ASD_COORDINATE = 0 and no type 67 ASD Coordinate Record is present.

⁶⁷ Required if ASD_COORDINATE = 1 and WHOLE_ROAD = 0.

Height, Width and Weight Designation Record (type 64)

HEIGHT, WIDTH AND WEIGHT DESIGNATION RECORD (type 64)				
Field	Description	Type / Max Length	Value range	Status
	where ASD_COORDINATE = 0)			
HWW_START_Y	The Y (northings) coordinate of the start point of the HWW Restriction. Coordinates are defined in metres. (For Streets that are not Whole Road where ASD_COORDINATE = 0)	N 7.2	5000.00-657700.00	Con
HWW_END_X	The X (eastings) coordinate of the end point of the HWW Restriction. Co-ordinates are defined in metres. (For Streets that are not Whole Road where ASD_COORDINATE = 0)	N 7.2	80000.00-656100.00	Con
HWW_END_Y	The Y (northings) coordinate of the end point of the HWW Restriction. Co-ordinates are defined in metres. (For Streets that are not Whole Road where ASD_COORDINATE = 0)	N 7.2	5000.00-657700.00	Con ⁶⁸
HWW_LOCATION_TEXT	Description of the location of the HWW Restriction within the Street.	T 250		Con ⁶⁹
VALUE_METRIC	Value in metric for the HWW Restriction. Metres or tonnes.	N 2.1		Man
TRO_TEXT	Official TRO reference followed by a summary of	T 250		Con ⁷⁰

⁶⁸ Coordinates required if WHOLE_ROAD = 0* and ASD_COORDINATE = 0.

*Mandatory if ASD_COORDINATE = 1.

⁶⁹ Required if WHOLE_ROAD = 0.

⁷⁰ TRO_TEXT must be present if the restriction is the subject of a Traffic Regulation Order. Cannot be present for advisory restrictions.

HEIGHT, WIDTH AND WEIGHT DESIGNATION RECORD (type 64)				
Field	Description	Type / Max Length	Value range	Status
	wording of the restriction if it is the result of a TRO. This should include the imperial value of the restriction if specified in the TRO.			
FEATURE_DESCRIPTION	Description providing additional information.	T 250		Opt
SOURCE_TEXT	A brief textual summary of the department/function and/or organisation that is the source of this data.	T 120		Opt
SWA_ORG_REF_CONSULTANT	Code to identify the Street Authority which must be consulted about the HWW Restriction.	I 4	SWA_Code	Con ⁷¹
DISTRICT_REF_CONSULTANT	Code to identify the Operational District for the Street Authority which must be consulted about the HWW Restriction.	I 3		Con ⁷²

Record example

64,"I",5554,47900011,1,1,2008-01-10,2008-01-10,2008-01-10,,1,1,18,,,,,"",1.2,"Height restriction of 9 feet 8 inches","Hump back bridge","Bridge department",0114,001

Notes

1. Each Street Height, Width and Weight Restriction Record is a dependent (that is child) of a Street Record and is cross referenced using the USRN.
2. All cross referenced Street Records must be present in the same transfer file set, or in the case of ASD submitted by the Street Authority, where they are not the Local Highway Authority, Street Records must already be present in GeoPlace.
3. If WHOLE_ROAD = 0, then coordinates (HWW_START_X, HWW_START_Y,

⁷¹ Required if DISTRICT_REF_CONSULTANT present.

⁷² Required if SWA_ORG_REF_CONSULTANT present.

Height, Width and Weight Designation Record (type 64)

HWW_END_X, HWW_END_Y) and a textual description (HWW_LOCATION_TEXT) must be entered to provide location information.

4. RECORD_ENTRY_DATE can be any date on or before the present day. However if the date the Record was created is unknown (during the transition period) then the user should enter a default of the present date.

9.1 Height, Width and Weight Restriction Codes

9.1 - HWW Restriction codes	
Code	HWW_RESTRICTION_CODE
1	Height Restriction
2	Width Restriction
3	Weight Restriction

10 PRow Record (type 66)

PRow RECORD (type 66)				
Field	Description	Type / Max Length	Value range	Status
RECORD_IDENTIFIER	Identifies the Record as a PRow Record.	I 2	66	Man
CHANGE_TYPE	Change identifier. Must always be CHANGE_TYPE = "I" for insert.	T 1	"I", "U", "D"	Man
PRO_ORDER	Unique numerical value representing the order in which the Records in the Full Supply transfer file should be processed.	I 16		Man
PROW_USRN	Identifies RECORD_TYPE = 3 Street USRN to which the PRow applies.	I 8		Man
DEF_MAP_GEOMETRY_TYPE	Does the PRow follow the exact route described in the type 13 ESU Record No = 0, Yes = 1. Where if No a separate type 67 ASD Coordinate Record is required.	I 1	0,1	Con ⁷³
DEF_MAP_GEOMETRY_COUNT	Present in the Full Supply transfer file only where DEF_MAP_GEOMETRY_TYPE = 0. This is the count of coordinates expected in the type 67 ASD Coordinate Record.	I 3	1-999	Con ⁷⁴
PROW_LENGTH	Length in metres.	I 5	0 – 99999	Man
PROW_RIGHTS	PRow Dedication.	I 2	See Section 10.1	Man
PED_ACCESS	Rights for Pedestrian Access.	I 1	0,1	Man
EQU_ACCESS	Rights for Equestrian Access.	I 1	0,1	Man

⁷³ If DEF_MAP_GEOMETRY_TYPE = 0 then a type 67 ASD Coordinate Record is required.

⁷⁴ Required if PROW_COORDINATE = 1

PRow RECORD (type 66)				
Field	Description	Type / Max Length	Value range	Status
NONMOT_ACCESS	Rights for Non Motorised Vehicle Access.	11	0,1	Man
CYC_ACCESS	Rights for Bicycle Access.	11	0,1	Man
MOT_ACCESS	Rights for Motorised Vehicle Access.	11	0,1	Man
RECORD_ENTRY_DATE	Date when the Record was entered or a new instance created.	Date	Present day or earlier	Man
RECORD_START_DATE	Date when the Record came into effect.	Date	Present day or earlier	Man
LAST_UPDATE_DATE	Date when any attribute of the Record was changed.	Date	Greater than or equal to the RECORD_ENTRY_DATE and less than or equal to present day	Man
RELEVANT_START_DATE	Date when the Record became Relevant (active) as defined by the legal order.	Date		Con ⁷⁵
RECORD_END_DATE	Date when the Record was Extinguished.	Date	Present day or earlier	Con ⁷⁶
PRow_STATUS	The status of the PRow.	T 1	See Section 10.2	Man

⁷⁵ Required if the order becomes legal on a future date.

⁷⁶ Required if the Record is to be closed.

PRow RECORD (type 66)				
Field	Description	Type / Max Length	Value range	Status
CONSULT_START_DATE	Date when the consultation starts.	Date		Con ⁷⁷
CONSULT_CLOSE_DATE	Date when the consultation closes.	Date		Con ⁷⁸
CONSULT_REF	Any formal reference for the consultation.	T 16		Con ⁷⁹
CONSULT_DETAILS	Brief summary of the consultation.	T 30		Con ⁸⁰
APPEAL_DATE	Date the appeal was raised.	Date		Con ⁸¹
APPEAL_REF	Any formal reference for the appeal.	T 16		Con ⁸²
APPEAL_DETAILS	Brief summary of the consultation.	T 30		Con ⁸³
DIV_RELATED_USRN	RECORD_TYPE = 3 Street USRN for the PRow that is being diverted.	I 8		Con ⁸⁴
PROW_LOCATION	Descriptive location of the PRow as defined in the PRow Definitive Statement.	T 500		Man
PROW_DETAILS	Official Reference of the PRow designation, followed by descriptive details of the PRow as defined in the PRow Definitive Statement.	T 500		Man
PROMOTED_ROUTE	Route defined by the Surveying Authority as a recommended/promoted route.	I 1	1,0	Opt
ACCESSIBLE_ROUTE	Route defined by the Surveying Authority as an accessible route for elderly and disabled.	I 1	1,0	Opt

⁷⁷ Required if PRow_STATUS = "C".

⁷⁸ Required if PRow_STATUS = "C".

⁷⁹ Required if PRow_STATUS = "C".

⁸⁰ Required if PRow_STATUS = "C".

⁸¹ Required if PRow_STATUS = "A".

⁸² Required if PRow_STATUS = "A".

⁸³ Required if PRow_STATUS = "A".

⁸⁴ Required if PRow_STATUS = "D".

PRoW RECORD (type 66)				
Field	Description	Type / Max Length	Value range	Status
SOURCE_TEXT	A brief textual summary of the department/function and/or organisation that is the source of this data.	T 120		Opt
PROW_ORG_REF_CONSULTANT	Code to identify the Surveying Authority which must be consulted about the PRoW.	I 4	SWA_Code	Opt
PROW_DISTRICT_REF_CONSULTANT	Code to identify the Operational District for the Surveying Authority which must be consulted about the PRoW.	I 3		Opt

Record Example

66,"I",1234,88855546,1,44,102,4,1,1,1,1,1,2008-01-10,2008-01-10,2008-01-10,2015-01-10,"O",,,,"",,,,"",,,,"Left of number 14 high road to back of the pub",,"2m to the left of the main carriageway to the buildings",1,1,"",,,

Notes

- Record must only be present if a type 11 Street Records, RECORD_TYPE = 3 – Numbered Street Record is also present.

10.1. PRoW Dedication

10.1 - PRoW dedication	
Code	PROW_RIGHTS
1	Footpath
2	Bridleway
3	Restricted Byway
4	Byway Open to All Traffic (BOAT)
5	Cycle Track or Cycle Way
6	Permissive Path

10.2 PRow Status

10.2 - PRow Status	
Code	PROW_STATUS
"O"	Open and approved
"C"	Under consultation
"A"	Under appeal
"E"	Extinguished
"D"	Temporary Diversion
"P"	Permissive

11 ASD Coordinate Record (type 67)

ASD Coordinate Record (ESU) (type 67)				
Field	Description	Type / Max Length	Value range	Status
RECORD_IDENTIFIER	Identifies the Record as an ASD_COORDINATE Record.	I 2	67	Man
CHANGE_TYPE	Change identifier. Must always be CHANGE_TYPE = "I" for insert.	T 1	"I", "U", "D"	Man
PRO_ORDER	Unique numerical value representing the order in which the Records in the Full Supply transfer file should be processed.	I 16		Man
ASD_GEOMETRY_TYPE	Identifies the record type as a Line or Polygon.	T 1	"L", "P"	Man ⁸⁵
ASD_RECORD_IDENTIFIER	Identifies the Record Type to which these ASD_COORDINATEs applies.	I 2	61, 62, 63, 64, 66	Man
ASD_USRN	Identifies the USRN to which these ASD_COORDINATEs applies.	I 8		Man
ASD_SEQ_NUM	Identifies the ASD sequence number within each Record type (61-64) to which these ASD_COORDINATEs applies.	I 3	1-999	Con ⁸⁶
COORD_NUMBER	Sequential counter of the coordinates for an ASD Record. Range starts at 1 and this is the start point of the ASD, number must be equal to or less than the value of ASD_COORDINATE_COUNT on the corresponding parent ASD Record.	I 3	1-999	Man
ASD_X_COORDINATE	The X (eastings) coordinate of a point on the ASD. Coordinates are defined in metres.	N 7.2	80000.00-656100.00	Man
ASD_Y_COORDINATE	The Y (northings) coordinate of a point on the ASD. Coordinates are defined in metres.	N 7.2	5000.00-657700.00	Man

⁸⁵ If a Polygon "P" then the first and last Record coordinates for each Record must be the same.

⁸⁶ Only required if ASD_RECORD_IDENTIFIER is 61, 62, 63 or 64.

Record example

67,"I",333,"L",61,18104345,3,1,371939.55,164768.65

Notes

1. Where ASD is not captured to the same extent as the Whole Road (WHOLE_ROAD = 0) (level 1), then any ASD may be captured by means of start and end points in the Record (level 2), or by means of the ASD Coordinate Record geometry i.e. level 3.
2. This Record captures the coordinate points of each Record for any of the type 61, 62, 63, 64 ASD and 66 PRow Records.
3. This Record is Optional, but may become Mandatory if it is agreed by the community to capture all data at level 3.
4. The following table outlines the relationships between the type 67 ASD Coordinate Record and ASD type 61, 62, 63 and 64 Records where:

WHOLE_ROAD in type 61, 62, 63 and 64 Records	ASD_COORDINATE in type 61, 62, 63 and 64 Records	ASD_COORDINATE_COUNT in type 61, 62, 63 and 64 Records	XY Start and End Coordinates in ASD type 61, 62, 63 and 64 Records	Type 67 ASD Coordinate Record
1	Null	Null	Null	Null
0	1	Present	Optional*	Present
0	0	Null	Present	Null

*Note – The DTF8.1 Specification does not restrict start and end coordinates being present in part road Records where type 61, 62, 63 and 64 ASD_Coordinate = 1 is present, although the assumption is that they will not be required where the type 67 ASD Coordinate Record is present. This means that where type 61, 62, 63 and 64 ASD_Coordinate = 1 is present, start and end coordinate Fields in each Record type can also be present and compliant. The purpose of this is to make allowances for software suppliers that have yet to develop their systems to transfer and accept type 67 ASD Coordinate Records.

12 ASD Metadata Record (type 69)

ASD METADATA RECORD (type 69)				
Field	Description	Type	Value	Status
RECORD_IDENTIFIER	Identifies this Record as ASD metadata.	I 2	69	Man
TER_OF_USE	Geographic domain of the gazetteer.	T 60		Man
LINKED DATA	List of application dataset used to update the ASD.	T 100		Opt
NGAZ_FREQ	Frequency with which LSG is maintained and sent to the NSG Custodian.	T 1	"M"	Man
CUSTODIAN_NAME	Organisation or department/function responsible for the compilation and maintenance of the data that is a DCA Participating Authority or a National/Regional Highway Authority.	T 40		Man
CUSTODIAN_UPRN	UPRN of Authority Street Custodian location.	I 12		Man
AUTH_CODE	Issued by NSG Custodian	I 4		Man
CO_ORD_SYSTEM	Co-ordinate reference system used in the gazetteer to describe position that is the British National Grid.	T 40	"British National Grid"	Man
CO_ORD_UNIT	Measure of coordinates used within the gazetteer.	T 10	"Metres"	Man
META_DATE	Date metadata was last updated.	Date		Man
CLASS_SCHEME	Classification scheme used for all multiple	T 40		Man

ASD METADATA RECORD (type 69)				
Field	Description	Type	Value	Status
	value specified Fields for example DTF8.1.			
GAZ_DATE	Date at which the gazetteer can be considered to be current.	Date		Man
LANGUAGE	Language(s) used for descriptors within the ASD.	T 3	See Section 12.1	Man
CHARACTER_SET	Textual description of character set used for the data present in the Full Supply transfer file.	T 30		Man
MD_PROTECTED_STREET	Percentage of Protected Streets that are present in GeoPlace.	I 3	0-100	Man
MD_TRAFFIC_SENSITIVE	Percentage Traffic Sensitive Streets that are present in GeoPlace.	I 3	0-100	Man
MD_SED	Percentage of Special Engineering Difficulties (SEDs) that are present in GeoPlace.	I 3	0-100	Man
MD_PROPOSED_SED	Percentage of proposed Special Engineering Difficulties that are present in GeoPlace.	I 3	0-100	Man
MD_LEVEL_CROSSING	Percentage of Level Crossing Safety Zone that are present in GeoPlace.	I 3	0-100	Opt
MD_ENV_SENSITIVE_AREA	Percentage of Environmentally Sensitive Areas that are present in GeoPlace.	I 3	0-100	Man

ASD METADATA RECORD (type 69)				
Field	Description	Type	Value	Status
MD_STRUCTURES_NOT_SED	Percentage of Structures that are not designated SEDs that are present in GeoPlace.	13	0-100	Man
MD_PIPELINES_AND_CABLES	Percentage of Pipelines and Specialist Cables that are present in GeoPlace.	13	0-100	Opt
MD_PRIORITY_LANES	Percentage of Priority Lanes that are present in GeoPlace.	13	0-100	Man
MD_LANE_RENTAL	Percentage of Lane Rental data that is present in GeoPlace.	13	0-100	Man
MD_EARLY_NOTIFICATION	Percentage of Street subject to early notification of immediate activities that are present in GeoPlace.	13	0-100	Opt
MD_SPECIAL_EVENTS	Percentage of Special Events that are present in GeoPlace.	13	0-100	Man
MD_PARKING	Percentage of this Parking Bays and restrictions that are present in GeoPlace.	13	0-100	Man
MD_PED_CROSS_AND_SIGNALS	Percentage of Pedestrian Crossings, Traffic Signals and Traffic Sensors that are present in GeoPlace.	13	0-100	Man
MD_SPEED_LIMIT	Percentage of Speed Limits that are present in GeoPlace.	13	0-100	Man
MD_TRANS_AUTH_APP	Percentage of Transport Authority Critical Apparatus that	13	0-100	Opt

ASD METADATA RECORD (type 69)				
Field	Description	Type	Value	Status
	are present in GeoPlace.			
MD_STRATEGIC_ROUTE	Percentage of Strategic Routes that are present in GeoPlace.	13	0-100	Man
MD_STREET_LIGHT	Percentage of Street Lighting that is present in GeoPlace.	13	0-100	Opt
MD_DRAINAGE_AND_FLOOD	Percentage of Drainage and Flood Risk areas that are present in GeoPlace.	13	0-100	Opt
MD_UNUSUAL_LAYOUT	Percentage of Streets that have an Unusual Traffic Layout that are present in GeoPlace.	13	0-100	Opt
MD_LOCAL_CONSIDER	Percentage of Streets with Local Considerations that are present in GeoPlace.	13	0-100	Opt
MD_WINTER_MAIN_ROUTE	Percentage of Streets with Winter Maintenance Routes that are present in GeoPlace.	13	0-100	Man
MD_HGV_ROUTE	Percentage of HGV Approved Routes that are present in GeoPlace.	13	0-100	Man
HD_EMERGENCY_ROUTE	Percentage of Emergency Services Routes that are present in GeoPlace.	13	0-100	Man

Record example

69,"Cornwall","","M","Highways Section",100041031005,0840,"British National Grid","Metres",2013-01-02,"DTF8.1",2013-01-02,"ENG","English",100,100,100,100,50,80,80,10,20,0,100,100,0,0,0,100,60,0,100,0,0,0,0,80

12.1 ASD Metadata Language Codes

12.1 - ASD Metadata language codes	
Code	LANGUAGE
"ENG"	English
"BIL"	Bilingual using English and Welsh languages

13 Compliance Testing for LSG software

13.1 Software supplier validation

- 13.1.1 The validation and compliance testing of LSG and ASD Full Supply transfer file submissions to the NSG is currently undertaken on-line at the time of submission.
- 13.1.2 To help the developers and suppliers of LSG and ASD maintenance software GeoPlace can establish a pseudo authority account for each developer or supplier. This enables software suppliers to submit test files for validation.
- 13.1.3 Requests for these accounts must be made to GeoPlace. GeoPlace informs the suppliers of the user names and passwords, USRN range, authority identifier and pseudo authority name to be used.

13.2 Submitting files for validation and compliance testing

- 13.2.1 GeoPlace conducts on-line validation and compliance testing of LSG and ASD Full Supply transfer file submissions at the time of submission. All compliance testing is undertaken on the web site, accessed by authorised users only. For details of how to submit files and test the files for compliance, see the FAQ section of www.thensg.org.uk.

13.3 Compliance Checks

- 13.3.1 The compliance checks are periodically reviewed. This is to ensure that the quality of the LSG and ASD data improves as requirements may change, for example if data specifications change or clarification in legislative needs.
- 13.3.2 For the up to date version of the NSG DTF8.1 Compliance Check Specification, see www.thensg.org.uk.

14. Relationship Diagram

