

Finished vehicles - Geofence Data

DOC REF No: FV11  
VERSION No: V1R1

DATE: August 2022

Finished vehicles - Geofence Data

based on

PARTIN

Party information message

EDIFACT D.18B S4 - S3 Profile (ISO 9735 Part 11)

Version: V1R1  
Issue date: August 2022  
Author: ECG/Odette/VDA

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SG2	R	1	Message recipient
05 NAD	M	1	Message recipient - ID
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07 NAD	M	1	Name / Id of the Zone
08 DTM	O	1	Valid from date/time
09 HYN	R	1	Geofence zone definition
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10 LOC	M	1	Geo-coordinates of the corner point
SG12	O	1	Radius of the defined zone
11 CCI	M	1	Characteristic/class id
12 MEA	R	9	Measurements
SG4	R	200000	Geofence definition - zone 2 and zone 3
13 NAD	M	1	Name / Id of the Zone
14 DTM	O	1	Valid from date/time
15 HYN	R	1	Geofence zone definition
SG5	R	99	Corner / vertex or centre point of the zone
16 LOC	M	1	Geo-coordinates of the corner point
SG6	O	1	Account ID
17 RFF	M	1	Account ID
SG12	O	1	Radius of the defined zone
18 CCI	M	1	Characteristic/class id
19 MEA	R	9	Measurements
20 UNT	M	1	Message trailer

No = Consecutive segment number | MaxOcc = Maximum occurrence of the segment/group | St = Status

EDIFACT: M=Mandatory, C=Conditional | User specific: R=Required, O=Optional, D=Dependent, A=Advised, N=Not used



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## Finished vehicles - Geofence Data

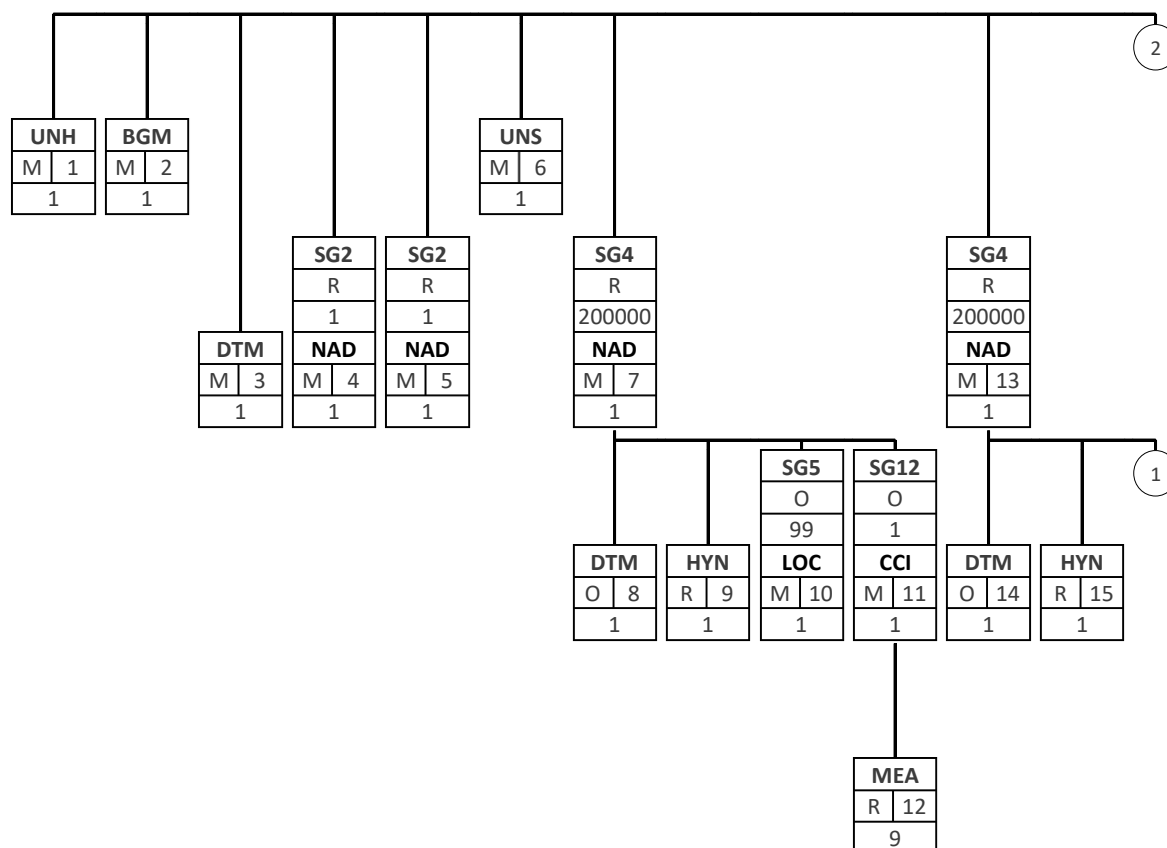
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### BRANCHING DIAGRAM OF USED SEGMENTS AND SEGMENT GROUPS



Tag	
St	No
MaxOcc	

Tag = Segment/Group Tag

St = Status (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)

No = Consecutive segment number, MaxOcc = Maximum occurrence of the segment/group

## Finished vehicles - Geofence Data

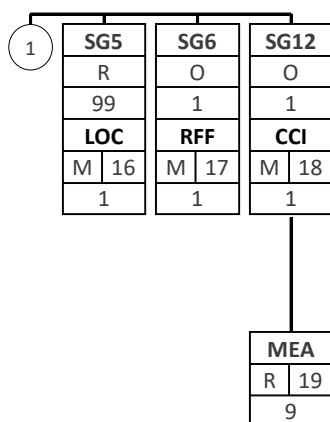
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Tag	
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Tag = Segment/Group Tag

St = Status (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)

No = Consecutive segment number, MaxOcc = Maximum occurrence of the segment/group

## Finished vehicles - Geofence Data

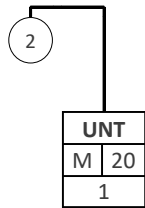
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### BRANCHING DIAGRAM OF USED SEGMENTS AND SEGMENT GROUPS



Tag	
St	No
MaxOcc	

Tag = Segment/Group Tag

St = Status (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)

No = Consecutive segment number, MaxOcc = Maximum occurrence of the segment/group

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## SEGMENT DETAILS

Segment:

**UNH**

Status:

M Max. Occ.: 1

Seq. No.:

1

Message header

UN/EDIFACT			Implementation	
	Name	St Format	St Format	Use / Remarks
0062	Message reference number	M an..14	M an..14	Message reference number
S009	Message identifier	M	M	
0065	Message type	M an..6	M an..6	<b>PARTIN</b> Party information message
0052	Message version number	M an..3	M an..3	<b>D</b> Draft version/UN/EDIFACT Directory
0054	Message release number	M an..3	M an..3	<b>18B</b> Release 2018 - B
0051	Controlling agency	M an..2	M an..2	
0057	Association assigned code	C an..6	R an..6	Identification of the subset release, assigned by Odette. <b>GBOR11</b> Odette Finished Vehicles Geofence Data V1.1
0110	Code list directory version number	C an..6	N	not used
0113	Message type sub-function identification	C an..6	N	not used
0068	Common access reference	C an..35	N	not used
S010	Status of the transfer	C	N	not used
0070	Sequence of transfers	M n..2	N	not used
0073	First and last transfer	C a1	N	not used
S016	Message subset identification	C	N	not used
0115	Message subset identification	M an..14	N	not used
0116	Message subset version number	C an..3	N	not used
0118	Message subset release number	C an..3	N	not used
0051	Controlling agency	C an..2	N	not used
S017	Message implementation guideline identification	C	N	not used
0121	Message implementation guideline identification	M an..14	N	not used
0122	Message implementation guideline version number	C an..3	N	not used
0124	Message implementation guideline release number	C an..3	N	not used
0051	Controlling agency	C an..2	N	not used
S018	Scenario identification	C	N	not used
0127	Scenario identification	M an..14	N	not used
0128	Scenario version number	C an..3	N	not used

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### SEGMENT DETAILS

Segment:

**UNH**

Status:

M

Max. Occ.: 1

Seq. No.:

1

Message header

UN/EDIFACT				Implementation		
	Name	St	Format	St	Format	Use / Remarks
0130	Scenario release number	C	an..3	N		not used
0051	Controlling agency	C	an..2	N		not used

**Remark:** Prior to 2022, all JAIF and Odette messages have been developed according to Version 3 of ISO 9735 "EDIFACT Application Level Syntax Rules" but from May 2022 the only valid version of ISO 9735 is Version 4 and all UN/EDIFACT based messages must conform to this version.

JAIF and Odette recommend the application of ISO 9735 Version 4 Part 11 which allows the creation of a payload compliant to Version 3 and requires only minimal amendments in service segments.

For further details, please refer to Odette document OS11, "Structure of an EDIFACT Interchange".

**Example:** UNH+1+PARTIN:D:18B:UN:GBOR11'

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## SEGMENT DETAILS

Segment:

**BGM**

Status:

M Max. Occ.: 1

Seq. No.: 2

Beginning of message

UN/EDIFACT				Implementation	
	Name	St	Format	St	Format
C002	Document/message name	C	R		
1001	Document name code	C an..3	R an..3	<b>X35</b>	<b>Finished Vehicles - Geofence Data - PARTIN</b>
1131	Code list identification code	C an..17	N		not used
3055	Code list responsible agency code	C an..3	R an..3	<b>10</b>	<b>ODETTE</b> Code specifying the agency responsible for a code list.
1000	Document name	C an..35	O an..35		
C106	Document/message identification	C	R		
1004	Document identifier	C an..70	R an..70		Message number
1056	Version identifier	C an..9	N		not used
1060	Revision identifier	C an..6	N		not used
1225	Message function code	C an..3	R an..3	<b>9</b> <b>5</b>	<b>Original</b> <b>Replace</b>
4343	Response type code	C an..3	N		not used
1373	Document status code	C an..3	N		not used
3453	Language name code	C an..3	N		not used

Remark:

Example: BGM+X35::10:COMPOUND ZONE DEFINITION+202001200976+9'

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**SEGMENT DETAILS**

Segment:

**DTM**

Status:

M Max. Occ.: 1

Seq. No.:

3

**Document date**

UN/EDIFACT			Implementation		
	Name	St Format	St Format	Use / Remarks	
C507	Date/time/period	M	M		
2005	Date or time or period function code qualifier	M an..3	M an..3	<b>137</b>	<b>Document issue date time</b>
2380	Date or time or period text	C an..35	R an..12	Date, on which a document or business signal was issued.	
2379	Date or time or period format code	C an..3	R an..3	<b>102</b> <b>203</b> <b>205</b> <b>204</b> <b>208</b>	<b>CCYYMMDD</b> <b>CCYYMMDDHHMM</b> <b>CCYYMMDDHHMMZHHMM</b> <b>CCYYMMDDHHMMSS</b> <b>CCYYMMDDHHMMSSZHHMM</b>

**Remark:****Example:** DTM+137:202001011205:203'

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## SEGMENT DETAILS

Group: **SG2** Status: R Max. Occ.: 1  
Message sender

Segment: **NAD** Status: M Max. Occ.: 1 Seq. No.: 4  
Message sender - ID

UN/EDIFACT			Implementation	
	Name	St Format	St Format	Use / Remarks
3035	Party function code qualifier	M an..3	M an..3	<b>MS</b> Document/message issuer/sender
C082	Party identification details	C	R	
3039	Party identifier	M an..35	M an..35	Unique identification of a party by an ID.
1131	Code list identification code	C an..17	N	not used
3055	Code list responsible agency code	C an..3	R an..3	<b>10</b> ODETTE <b>16</b> US, D&B (Dun & Bradstreet Corporation) <b>91</b> Assigned by seller or seller's agent <b>92</b> Assigned by buyer or buyer's agent Code specifying the agency responsible for a code list.
C058	Name and address	C	N	not used
3124	Name and address description	M an..35	N	not used
3124	Name and address description	C an..35	N	not used
3124	Name and address description	C an..35	N	not used
3124	Name and address description	C an..35	N	not used
3124	Name and address description	C an..35	N	not used
C080	Party name	C	N	not used
3036	Party name	M an..70	N	not used
3036	Party name	C an..70	N	not used
3036	Party name	C an..70	N	not used
3036	Party name	C an..70	N	not used
3036	Party name	C an..70	N	not used
3045	Party name format code	C an..3	N	not used
C059	Street	C	N	not used
3042	Street and number or post office box identifier	M an..256	N	not used
3042	Street and number or post office box identifier	C an..256	N	not used
3042	Street and number or post office box identifier	C an..256	N	not used
3042	Street and number or post office box identifier	C an..256	N	not used

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**SEGMENT DETAILS**

Group: **SG2** Status: R Max. Occ.: 1  
Message sender

Segment: **NAD** Status: M Max. Occ.: 1 Seq. No.: 4  
Message sender - ID

UN/EDIFACT				Implementation		
	Name	St	Format	St	Format	Use / Remarks
3164	City name	C	an..35	N		not used
C819	Country subdivision details	C		N		not used
3229	Country subdivision identifier	C	an..9	N		not used
1131	Code list identification code	C	an..17	N		not used
3055	Code list responsible agency code	C	an..3	N		not used
3228	Country subdivision name	C	an..70	N		not used
3251	Postal identification code	C	an..17	N		not used
3207	Country identifier	C	an..3	N		not used

**Remark:****Example:** NAD+MS+MessageSender42::92'

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## SEGMENT DETAILS

Group: **SG2** Status: R Max. Occ.: 1  
Message recipient

Segment: **NAD** Status: M Max. Occ.: 1 Seq. No.: 5  
Message recipient - ID

UN/EDIFACT			Implementation	
	Name	St Format	St Format	Use / Remarks
3035	Party function code qualifier	M an..3	M an..3	<b>MR</b> Message recipient
C082	Party identification details	C	O	
3039	Party identifier	M an..35	M an..35	Unique identification of a party by an ID.
1131	Code list identification code	C an..17	N	not used
3055	Code list responsible agency code	C an..3	R an..3	<b>10</b> ODETTE <b>16</b> US, D&B (Dun & Bradstreet Corporation) <b>91</b> Assigned by seller or seller's agent <b>92</b> Assigned by buyer or buyer's agent Code specifying the agency responsible for a code list.
C058	Name and address	C	N	not used
3124	Name and address description	M an..35	N	not used
3124	Name and address description	C an..35	N	not used
3124	Name and address description	C an..35	N	not used
3124	Name and address description	C an..35	N	not used
3124	Name and address description	C an..35	N	not used
C080	Party name	C	N	not used
3036	Party name	M an..70	N	not used
3036	Party name	C an..70	N	not used
3036	Party name	C an..70	N	not used
3036	Party name	C an..70	N	not used
3036	Party name	C an..70	N	not used
3045	Party name format code	C an..3	N	not used
C059	Street	C	N	not used
3042	Street and number or post office box identifier	M an..256	N	not used
3042	Street and number or post office box identifier	C an..256	N	not used
3042	Street and number or post office box identifier	C an..256	N	not used
3042	Street and number or post office box identifier	C an..256	N	not used

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EDIFACT: M=Mandatory, C=Conditional | User specific: R=Required, O=Optional, D=Dependent, A=Advised, N=Not used



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**SEGMENT DETAILS**

Group: **SG2** Status: R Max. Occ.: 1  
Message recipient

Segment: **NAD** Status: M Max. Occ.: 1 Seq. No.: 5  
Message recipient - ID

UN/EDIFACT				Implementation		
	Name	St	Format	St	Format	Use / Remarks
3164	City name	C	an..35	N		not used
C819	Country subdivision details	C		N		not used
3229	Country subdivision identifier	C	an..9	N		not used
1131	Code list identification code	C	an..17	N		not used
3055	Code list responsible agency code	C	an..3	N		not used
3228	Country subdivision name	C	an..70	N		not used
3251	Postal identification code	C	an..17	N		not used
3207	Country identifier	C	an..3	N		not used

**Remark:****Example:** NAD+MR+MessageRecipient23::92'

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SEGMENT DETAILS

Segment: **UNS**      Status: M    Max. Occ.: 1    Seq. No.: 6  
Section control

UN/EDIFACT			Implementation			
	Name	St	Format	St	Format	Use / Remarks
0081	Section identification	M	a1	M	a1	<b>D</b> Header/detail section separation

Remark:  
Example: UNS+D'

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## SEGMENT DETAILS

Group: **SG4** Status: R Max. Occ.: 200000  
Geofence definition - zone level 1

Segment: **NAD** Status: M Max. Occ.: 1 Seq. No.: 7  
Name / Id of the Zone

UN/EDIFACT			Implementation	
	Name	St	Format	Use / Remarks
3035	Party function code qualifier	M	an..3	<b>TR</b> Terminal operator
C082	Party identification details	C	R	
3039	Party identifier	M	an..35	It is strongly recommended to apply the following scheme to build the IDs of zones: L1 : CENTREXXXX
1131	Code list identification code	C	an..17	N not used
3055	Code list responsible agency code	C	an..3	N not used
C058	Name and address	C	N	not used
3124	Name and address description	M	an..35	N not used
3124	Name and address description	C	an..35	N not used
3124	Name and address description	C	an..35	N not used
3124	Name and address description	C	an..35	N not used
3124	Name and address description	C	an..35	N not used
C080	Party name	C	R	
3036	Party name	M	an..70	M an..35 Zone name / description: the Zone name shall include location and operator name.
3036	Party name	C	an..70	N not used
3036	Party name	C	an..70	N not used
3036	Party name	C	an..70	N not used
3036	Party name	C	an..70	N not used
3045	Party name format code	C	an..3	N not used
C059	Street	C	N	not used
3042	Street and number or post office box identifier	M	an..256	N not used
3042	Street and number or post office box identifier	C	an..256	N not used
3042	Street and number or post office box identifier	C	an..256	N not used
3042	Street and number or post office box identifier	C	an..256	N not used

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**SEGMENT DETAILS**

Group: **SG4** Status: R Max. Occ.: 200000  
Geofence definition - zone level 1

Segment: **NAD** Status: M Max. Occ.: 1 Seq. No.: 7  
Name / Id of the Zone

UN/EDIFACT				Implementation		
	Name	St	Format	St	Format	Use / Remarks
	box identifier					
3164	City name	C	an..35	N		not used
C819	Country subdivision details	C		N		not used
3229	Country subdivision identifier	C	an..9	N		not used
1131	Code list identification code	C	an..17	N		not used
3055	Code list responsible agency code	C	an..3	N		not used
3228	Country subdivision name	C	an..70	N		not used
3251	Postal identification code	C	an..17	N		not used
3207	Country identifier	C	an..3	N		not used

**Remark:****Example:** NAD+TR+COMPOUNDXXXX++ECA, PORT ROTTERDAM'

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### SEGMENT DETAILS

Group: **SG4** Status: R Max. Occ.: 200000  
Geofence definition - zone level 1

Segment: **DTM** Status: O Max. Occ.: 1 Seq. No.: 8  
Valid from date/time

UN/EDIFACT			Implementation		
	Name	St Format	St Format	Use / Remarks	
C507	Date/time/period	M	M		
2005	Date or time or period function code qualifier	M an..3	M an..3	<b>7</b>	<b>Effective from date/time</b>
2380	Date or time or period text	C an..35	R an..35	Valid from date / time	
2379	Date or time or period format code	C an..3	R an..3	<b>102</b> <b>203</b> <b>303</b>	<b>CCYYMMDD</b> <b>CCYYMMDDHHMM</b> <b>CCYYMMDDHHMMZZZ</b>

Remark:

Example: DTM+7:20200120:102'

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**SEGMENT DETAILS**

Group: **SG4** Status: R Max. Occ.: 200000  
Geofence definition - zone level 1

Segment: **HYN** Status: R Max. Occ.: 1 Seq. No.: 9  
Geofence zone definition

UN/EDIFACT			Implementation	
	Name	St Format	St Format	Use / Remarks
7173	Hierarchy object code qualifier	M an..3	M an..3	<b>28</b> Operational group
7171	Hierarchical structure relationship code	C an..3	R an..3	Level 1 zones: 1=Parent <b>1</b> Parent
1229	Action code	C an..3	N	not used
C212	Item number identification	C	R	
7140	Item identifier	C an..35	R an..35	Geofence zone level <b>1</b> Zone level 1
7143	Item type identification code	C an..3	N	not used
1131	Code list identification code	C an..17	N	not used
3055	Code list responsible agency code	C an..3	N	not used
7166	Hierarchical structure parent identifier	C an..35	N	not used

**Remark:****Example:** HYN+28+1++1'

No = Consecutive segment number | MaxOcc = Maximum occurrence of the segment/group | St = Status

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## Finished vehicles - Geofence Data

DOC REF No: FV11

VERSION No: V1R1

DATE:

August 2022

### SEGMENT DETAILS

**Group:** **SG4** Status: R Max. Occ.: 200000  
Geofence definition - zone level 1

**Group:** **SG5** Status: O Max. Occ.: 99  
Corner / vertex or centre point of the zone

**Segment:** **LOC** Status: M Max. Occ.: 1 Seq. No.: 10  
Geo-coordinates of the corner point

UN/EDIFACT			Implementation		
	Name	St	Format	St	Format
3227	Location function code qualifier	M	an..3	M	an..3
C517	Location identification	C		R	
3225	Location identifier	C	an..35	R	an..35
					<b>Latitude / longitude</b> Geo coordinates in decimal degrees: latitude, longitude For latitude: positive values identify the northern hemisphere, negative values the southern hemisphere (-90..90). For longitude: positive values identify the east of the zero meridian, negative values the west of the zero meridian (-180..180).
1131	Code list identification code	C	an..17	N	
3055	Code list responsible agency code	C	an..3	N	
3224	Location name	C	an..256	N	
C519	Related location one identification	C		N	
3223	First related location identifier	C	an..35	N	
1131	Code list identification code	C	an..17	N	
3055	Code list responsible agency code	C	an..3	N	
3222	First related location name	C	an..70	N	
C553	Related location two identification	C		N	
3233	Second related location identifier	C	an..35	N	
1131	Code list identification code	C	an..17	N	
3055	Code list responsible agency code	C	an..3	N	
3232	Second related location name	C	an..70	N	
5479	Relation code	C	an..3	N	

No = Consecutive segment number | MaxOcc = Maximum occurrence of the segment/group | St = Status

EDIFACT: M=Mandatory, C=Conditional | User specific: R=Required, O=Optional, D=Dependent, A=Advised, N=Not used



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## Finished vehicles - Geofence Data

DOC REF No: FV11

VERSION No: V1R1

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### SEGMENT DETAILS

Group:	SG4	Status: R	Max. Occ.: 200000	
		Geofence definition - zone level 1		
Group:	SG5	Status: O	Max. Occ.: 99	
		Corner / vertex or centre point of the zone		
Segment:	LOC	Status: M	Max. Occ.: 1	Seq. No.: 10
		Geo-coordinates of the corner point		

**Remark:** The zone area shall be defined by the list of its corner points.  
Alternatively, if the zone is specified as a circle, this segment specifies the centre point and SG12/MEA specifies the radius.

**Example:** LOC+14+52.5158097,13.3910784'

No = Consecutive segment number | MaxOcc = Maximum occurrence of the segment/group | St = Status

EDIFACT: M=Mandatory, C=Conditional | User specific: R=Required, O=Optional, D=Dependent, A=Advised, N=Not used



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## Finished vehicles - Geofence Data

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DATE:

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### SEGMENT DETAILS

Group: **SG4** Status: R Max. Occ.: 200000  
Geofence definition - zone level 1

Group: **SG12** Status: O Max. Occ.: 1  
Radius of the defined zone

Segment: **CCI** Status: M Max. Occ.: 1 Seq. No.: 11  
Characteristic/class id

UN/EDIFACT			Implementation		
	Name	St	Format	St	Format
7059	Class type code	C	an..3	R	an..3
C502	Measurement details	C		N	
6313	Measured attribute code	C	an..3	N	
6321	Measurement significance code	C	an..3	N	
6155	Non-discrete measurement name code	C	an..17	N	
6154	Non-discrete measurement name	C	an..70	N	
C240	Characteristic description	C		N	
7037	Characteristic description code	M	an..17	N	
1131	Code list identification code	C	an..17	N	
3055	Code list responsible agency code	C	an..3	N	
7036	Characteristic description	C	an..35	N	
7036	Characteristic description	C	an..35	N	
4051	Characteristic relevance code	C	an..3	N	

Remark:

Example: CCI+15'

No = Consecutive segment number | MaxOcc = Maximum occurrence of the segment/group | St = Status

EDIFACT: M=Mandatory, C=Conditional | User specific: R=Required, O=Optional, D=Dependent, A=Advised, N=Not used



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### SEGMENT DETAILS

**Group:** **SG4** Status: R Max. Occ.: 200000  
Geofence definition - zone level 1

**Group:** **SG12** Status: O Max. Occ.: 1  
Radius of the defined zone

**Segment:** **MEA** Status: R Max. Occ.: 9 Seq. No.: 12  
Measurements

UN/EDIFACT			Implementation		
	Name	St Format	St Format	Use / Remarks	
6311	Measurement purpose code qualifier	M an..3	M an..3	<b>ABZ</b>	<b>Plot size</b>
C502	Measurement details	C	R		
6313	Measured attribute code	C an..3	R an..3	<b>ABC</b>	<b>Radius</b>
6321	Measurement significance code	C an..3	N		not used
6155	Non-discrete measurement name code	C an..17	N		not used
6154	Non-discrete measurement name	C an..70	N		not used
C174	Value/range	C	R		
6411	Measurement unit code	C an..8	R an..8	<b>MTR</b> <b>KMT</b>	<b>metre</b> <b>kilometre</b>
6314	Measure	C an..18	R an..18		Radius
6162	Range minimum quantity	C n..18	N		not used
6152	Range maximum quantity	C n..18	N		not used
6432	Significant digits quantity	C n..2	N		not used
7383	Surface or layer code	C an..3	N		not used

**Remark:**

**Example:** MEA+ABZ+ABC+MTR:100'

No = Consecutive segment number | MaxOcc = Maximum occurrence of the segment/group | St = Status

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## SEGMENT DETAILS

Group: **SG4** Status: R Max. Occ.: 200000  
Geofence definition - zone 2 and zone 3

Segment: **NAD** Status: M Max. Occ.: 1 Seq. No.: 13  
Name / Id of the Zone

UN/EDIFACT			Implementation	
	Name	St Format	St Format	Use / Remarks
3035	Party function code qualifier	M an..3	M an..3	<b>TR Terminal operator</b>
C082	Party identification details	C	R	
3039	Party identifier	M an..35	M an..35	Area identification: For level 2 zones, the following zone identification terms shall be used: - Production - Factory handover - Storage - Non-conform products - Pre-loading area - Workshop standby - Workshop - Workshop done - Customs import - Customs export - Shipment - First place of rest (FPOR) - Transport For further details, see the process description: If necessary, index numbers or values can be added to differentiate several level 2 areas of the same function (e.g. Workshop 1, Workshop 2 or the like). It is strongly recommended to apply the following scheme to build the IDs of zones: a. L1 : CENTREXXXX b. L2 : L2_CENTREXXXX_STORAGE1 c. L3 : L3_CENTREXXXX_STORAGE1_AREA1 (name of Level 3 is free)
1131	Code list identification code	C an..17	N	not used
3055	Code list responsible agency code	C an..3	N	not used
C058	Name and address	C	N	not used
3124	Name and address description	M an..35	N	not used
3124	Name and address description	C an..35	N	not used
3124	Name and address description	C an..35	N	not used
3124	Name and address description	C an..35	N	not used
3124	Name and address description	C an..35	N	not used

No = Consecutive segment number | MaxOcc = Maximum occurrence of the segment/group | St = Status

EDIFACT: M=Mandatory, C=Conditional | User specific: R=Required, O=Optional, D=Dependent, A=Advised, N=Not used



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## SEGMENT DETAILS

Group: **SG4** Status: R Max. Occ.: 200000  
Geofence definition - zone 2 and zone 3

Segment: **NAD** Status: M Max. Occ.: 1 Seq. No.: 13  
Name / Id of the Zone

UN/EDIFACT			Implementation	
	Name	St	Format	Use / Remarks
C080	Party name	C	R	
3036	Party name	M an..70	M an..35	Zone name / description: the Zone name shall include location and operator name.
3036	Party name	C an..70	N	not used
3036	Party name	C an..70	N	not used
3036	Party name	C an..70	N	not used
3036	Party name	C an..70	N	not used
3045	Party name format code	C an..3	N	not used
C059	Street	C	N	not used
3042	Street and number or post office box identifier	M an..256	N	not used
3042	Street and number or post office box identifier	C an..256	N	not used
3042	Street and number or post office box identifier	C an..256	N	not used
3042	Street and number or post office box identifier	C an..256	N	not used
3164	City name	C an..35	N	not used
C819	Country subdivision details	C	N	not used
3229	Country subdivision identifier	C an..9	N	not used
1131	Code list identification code	C an..17	N	not used
3055	Code list responsible agency code	C an..3	N	not used
3228	Country subdivision name	C an..70	N	not used
3251	Postal identification code	C an..17	N	not used
3207	Country identifier	C an..3	N	not used

Remark:

Example: NAD+TR+COMPOUNDXXXX\_STORAGE1++STORAGE AREA NORTH-WEST'

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**SEGMENT DETAILS**

Group: **SG4** Status: R Max. Occ.: 200000  
Geofence definition - zone 2 and zone 3

Segment: **DTM** Status: O Max. Occ.: 1 Seq. No.: 14  
Valid from date/time

UN/EDIFACT			Implementation		
	Name	St Format	St Format	Use / Remarks	
C507	Date/time/period	M	M		
2005	Date or time or period function code qualifier	M an..3	M an..3	<b>7</b>	<b>Effective from date/time</b>
2380	Date or time or period text	C an..35	R an..35	Valid from date / time	
2379	Date or time or period format code	C an..3	R an..3	<b>102</b> <b>203</b> <b>205</b> <b>303</b>	<b>CCYYMMDD</b> <b>CCYYMMDDHHMM</b> <b>CCYYMMDDHHMMZHHMM</b> <b>CCYYMMDDHHMMZZZ</b>

**Remark:****Example:** DTM+7:20200120:102'

No = Consecutive segment number | MaxOcc = Maximum occurrence of the segment/group | St = Status

EDIFACT: M=Mandatory, C=Conditional | User specific: R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

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**SEGMENT DETAILS**

Group: **SG4** Status: R Max. Occ.: 200000  
Geofence definition - zone 2 and zone 3

Segment: **HYN** Status: R Max. Occ.: 1 Seq. No.: 15  
Geofence zone definition

UN/EDIFACT				Implementation		
	Name	St	Format	St	Format	Use / Remarks
7173	Hierarchy object code qualifier	M	an..3	M	an..3	<b>28</b> <b>Operational group</b>
7171	Hierarchical structure relationship code	C	an..3	R	an..3	<b>2</b> <b>Child</b>
1229	Action code	C	an..3	N		not used
C212	Item number identification	C		R		
7140	Item identifier	C	an..35	R	an..35	<b>Geofence zone level</b> <b>2</b> <b>Zone level 2</b> <b>3</b> <b>Zone level 3</b> Level 3 is for the convenience of LSP only. They can transmit this information, but it is not necessary.
7143	Item type identification code	C	an..3	N		not used
1131	Code list identification code	C	an..17	N		not used
3055	Code list responsible agency code	C	an..3	N		not used
7166	Hierarchical structure parent identifier	C	an..35	R	an..35	This element points to the next higher level zone.

**Remark:****Example:** HYN+28+2++2+COMPOUNDXXXX'

No = Consecutive segment number | MaxOcc = Maximum occurrence of the segment/group | St = Status

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## Finished vehicles - Geofence Data

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### SEGMENT DETAILS

**Group:** **SG4** Status: R Max. Occ.: 200000  
Geofence definition - zone 2 and zone 3

**Group:** **SG5** Status: R Max. Occ.: 99  
Corner / vertex or centre point of the zone

**Segment:** **LOC** Status: M Max. Occ.: 1 Seq. No.: 16  
Geo-coordinates of the corner point

UN/EDIFACT			Implementation		
	Name	St	Format	St	Format
3227	Location function code qualifier	M	an..3	M	an..3
C517	Location identification	C		R	
3225	Location identifier	C	an..35	R	an..35
					<b>Latitude / longitude</b> Geo coordinates in decimal degrees: latitude, longitude For latitude: positive values identify the northern hemisphere, negative values the southern hemisphere (-90..90). For longitude: positive values identify the east of the zero meridian, negative values the west of the zero meridian (-180..180).
1131	Code list identification code	C	an..17	N	
3055	Code list responsible agency code	C	an..3	N	
3224	Location name	C	an..256	N	
C519	Related location one identification	C		N	
3223	First related location identifier	C	an..35	N	
1131	Code list identification code	C	an..17	N	
3055	Code list responsible agency code	C	an..3	N	
3222	First related location name	C	an..70	N	
C553	Related location two identification	C		N	
3233	Second related location identifier	C	an..35	N	
1131	Code list identification code	C	an..17	N	
3055	Code list responsible agency code	C	an..3	N	
3232	Second related location name	C	an..70	N	
5479	Relation code	C	an..3	N	

No = Consecutive segment number | MaxOcc = Maximum occurrence of the segment/group | St = Status

EDIFACT: M=Mandatory, C=Conditional | User specific: R=Required, O=Optional, D=Dependent, A=Advised, N=Not used



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### SEGMENT DETAILS

Group:	SG4	Status: R	Max. Occ.: 200000	
		Geofence definition - zone 2 and zone 3		
Group:	SG5	Status: R	Max. Occ.: 99	
		Corner / vertex or centre point of the zone		
Segment:	LOC	Status: M	Max. Occ.: 1	Seq. No.: 16
		Geo-coordinates of the corner point		

**Remark:** The zone area shall be defined by the list of its corner points.  
Alternatively, if the zone is specified as a circle, this segment specifies the centre point and SG12/MEA specifies the radius.

**Example:** LOC+14+52.5158097,13.3910784'

No = Consecutive segment number | MaxOcc = Maximum occurrence of the segment/group | St = Status

EDIFACT: M=Mandatory, C=Conditional | User specific: R=Required, O=Optional, D=Dependent, A=Advised, N=Not used



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**SEGMENT DETAILS**

Group: **SG4** Status: R Max. Occ.: 200000  
Geofence definition - zone 2 and zone 3

Group: **SG6** Status: O Max. Occ.: 1  
Account ID

Segment: **RFF** Status: M Max. Occ.: 1 Seq. No.: 17  
Account ID

UN/EDIFACT				Implementation		
	Name	St	Format	St	Format	Use / Remarks
C506	Reference	M		M		
1153	Reference code qualifier	M	an..3	M	an..3	<b>ADE</b> <b>Account number</b>
1154	Reference identifier	C	an..70	R	an..70	<b>Account ID</b>
1156	Document line identifier	C	an..6	N		not used
1056	Version identifier	C	an..9	N		not used
1060	Revision identifier	C	an..6	N		not used

**Remark:****Example:** RFF+ADE:123456'

No = Consecutive segment number | MaxOcc = Maximum occurrence of the segment/group | St = Status

EDIFACT: M=Mandatory, C=Conditional | User specific: R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

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### SEGMENT DETAILS

**Group:** **SG4** Status: R Max. Occ.: 200000  
Geofence definition - zone 2 and zone 3

**Group:** **SG12** Status: O Max. Occ.: 1  
Radius of the defined zone

**Segment:** **CCI** Status: M Max. Occ.: 1 Seq. No.: 18  
Characteristic/class id

UN/EDIFACT			Implementation		
	Name	St	Format	St	Format
7059	Class type code	C	an..3	R	an..3
C502	Measurement details	C		N	
6313	Measured attribute code	C	an..3	N	
6321	Measurement significance code	C	an..3	N	
6155	Non-discrete measurement name code	C	an..17	N	
6154	Non-discrete measurement name	C	an..70	N	
C240	Characteristic description	C		N	
7037	Characteristic description code	M	an..17	N	
1131	Code list identification code	C	an..17	N	
3055	Code list responsible agency code	C	an..3	N	
7036	Characteristic description	C	an..35	N	
7036	Characteristic description	C	an..35	N	
4051	Characteristic relevance code	C	an..3	N	

**Remark:**

**Example:** CCI+15'

No = Consecutive segment number | MaxOcc = Maximum occurrence of the segment/group | St = Status

EDIFACT: M=Mandatory, C=Conditional | User specific: R=Required, O=Optional, D=Dependent, A=Advised, N=Not used



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### SEGMENT DETAILS

**Group:** **SG4** Status: R Max. Occ.: 200000  
Geofence definition - zone 2 and zone 3

**Group:** **SG12** Status: O Max. Occ.: 1  
Radius of the defined zone

**Segment:** **MEA** Status: R Max. Occ.: 9 Seq. No.: 19  
Measurements

UN/EDIFACT				Implementation	
	Name	St	Format	St	Format
6311	Measurement purpose code qualifier	M	an..3	M	an..3
C502	Measurement details	C		R	
6313	Measured attribute code	C	an..3	R	an..3
6321	Measurement significance code	C	an..3	N	
6155	Non-discrete measurement name code	C	an..17	N	
6154	Non-discrete measurement name	C	an..70	N	
C174	Value/range	C		R	
6411	Measurement unit code	C	an..8	R	an..8
6314	Measure	C	an..18	R	an..18
6162	Range minimum quantity	C	n..18	N	
6152	Range maximum quantity	C	n..18	N	
6432	Significant digits quantity	C	n..2	N	
7383	Surface or layer code	C	an..3	N	

**Remark:**

**Example:** MEA+ABZ+ABC+MTR:100'

No = Consecutive segment number | MaxOcc = Maximum occurrence of the segment/group | St = Status

EDIFACT: M=Mandatory, C=Conditional | User specific: R=Required, O=Optional, D=Dependent, A=Advised, N=Not used



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## SEGMENT DETAILS

Segment:

**UNT**

Status:

M Max. Occ.: 1

Seq. No.:

20

**Message trailer**

UN/EDIFACT			Implementation	
	Name	St Format	St Format	Use / Remarks
0074	Number of segments in the message	M n..6	M n..6	
0062	Message reference number	M an..14	M an..14	

**Remark:**

**Example:** UNT+20+1'

No = Consecutive segment number | MaxOcc = Maximum occurrence of the segment/group | St = Status

EDIFACT: M=Mandatory, C=Conditional | User specific: R=Required, O=Optional, D=Dependent, A=Advised, N=Not used



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## EXAMPLE MESSAGE(S)

### FV11 Geofence Data - finished vehicles PARTIN-Geofence

	UNH+1+PARTIN:D:18B:UN:GBOR10 '	Message header
	BGM+X35::10:COMPOUND ZONE DEFINITION+202001200976+9 '	Beginning of message
	DTM+137:202001011205:203 '	Document date and time: 2020-01-01 12:05
	Segment group	
	NAD+MS+MessageSender42::92 '	Message sender
	Segment group	
	NAD+MR+MessageRecipient23::92 '	Message recipient
	UNS+D '	Section control
	Segment group	
	NAD+TR+STORAGE 1++STORAGE AREA NORTH-WEST '	Geofence definition - zone level 1
	DTM+7:20200201:102 '	Valid from date: 2020-02-01
	HYN+28+1++1 '	Geofence zone definition 1 - Parent 1 - Zone level 1
	Segment group	
	LOC+14+52.5165279,13.3925697 '	Geo-coordinates of the corner point
	Segment group	
	LOC+14+52.5178484,13.390719 '	Geo-coordinates of the corner point
	Segment group	
	LOC+14+52.5157396,13.3910731 '	Geo-coordinates of the corner point
	Segment group	
	LOC+14+52.5157396,13.3910731 '	Geo-coordinates of the corner point
	Segment group	
	NAD+TR+ZONE A++FPOR '	Geofence definition: ZONE A
	DTM+7:20200120:102 '	Valid from date: 2020-02-01
	HYN+28+2++2+1 '	Geofence zone definition 2 - Child 2 - Zone level 2 1 - This element points to the next higher level zone 1.
	Segment group	
	LOC+14+53.592132,8.530138 '	Geo-coordinates of the corner point
	Segment group	
	LOC+14+53.593125,8.532541 '	Geo-coordinates of the corner point
	Segment group	
	LOC+14+53.589890,8.531897 '	Geo-coordinates of the corner point
	Segment group	

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### EXAMPLE MESSAGE(S)

└┐	<b>LOC+14+53.590833, 8.534858 '</b>	Geo-coordinates of the corner point
	<b>UNT+14+1 '</b>	Message trailer

## EXAMPLE MESSAGE(S)

## FV11 Geofence Data - finished vehicles PARTIN-Radius

	UNH+1+PARTIN:D:18B:UN:GBOR10 '	Message header
	BGM+X35::10:COMPOUND ZONE DEFINITION+202001200976+9 '	Beginning of message
	DTM+137:202001011205:203 '	Document date and time: 2020-01-01 12:05
	Segment group	
	NAD+MS+MessageSender42::92 '	Message sender
	Segment group	
	NAD+MR+MessageRecipient23::92 '	Message recipient
	UNS+D '	Section control
	Segment group	
	NAD+TR+STORAGE 1++STORAGE AREA NORTH-WEST '	N Geofence definition: STORAGE 1
	DTM+7:20200201:102 '	Valid from date: 2020-02-01
	HYN+28+2++2+COMPOUND A '	Geofence zone definition 2 - Child 2 - Zone level 2 1 - This element points to the next higher level zone COMPOUND A.
	Segment group	
	LOC+14+52.5158097,13.3910784 '	Geo-coordinates of the corner point
	Segment group	
	CCI+15 '	Characteristic/class id
	MEA+ABZ+ABC+KMT:7 '	Measurements
	UNT+13+1 '	Message trailer