

# EDI Implementation

## DELFOR D04A

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#### 1. Reference

[https://unece.org/fileadmin/DAM/trade/untdid/d04a/trmd/delfor\\_c.htm](https://unece.org/fileadmin/DAM/trade/untdid/d04a/trmd/delfor_c.htm)

Segment	Count	Usage
__UNH	1	M
__BGM	1	M
__DTM	1..35	M
__Segment Group 1	0..99	C
__RFF	1	M
__DTM	0..5	C
__Segment Group 2	1..99	M
__NAD	1	M
__Segment Group 5	0..10	C
__CTA	1	M
__COM	0..5	C
__Segment Group 6	0..n	C
__GEI	1	M
__Segment Group 12	1..n	C
__LIN	1	M
__Segment Group 13	0..99	C
__RFF	1	M
__DTM	0..9	C
__Segment Group 16	0..99	C
__QTY	1	M
__Segment Group 17	0..99	C
__RFF	1	M
__DTM	0..9	C
__Segment Group 18	0..99	C
__SCC	1	M
__Segment Group 19	0..999	C
__QTY	1	M
__DTM	0..9	C
__UNT	1	M

# UNH Message Header

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Count 1 Level 1  
Usage Mandatory Predecessor -

Element	Description	Lng	Frmt	Example
0062	Message reference number	14	AN	172354030
0065	Message type	6	AN	DELFOR
0052	Message version number	3	AN	D
0054	Message release number	3	AN	04A
0051	Controlling agency, coded	2	AN	UN
UNH+172354030+DELFOR:D:04A:UN				

# BGM Beginning of Message

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Count 1 Level 1  
Usage Mandatory Predecessor -

Element	Description	Lng	Frmt	Example
1001	Document name code	3	AN	241
1004	Document identifier	35	AN	177754999
1225	Message function code	3	AN	D
BGM+241+177754999+9				

# DTM Date/Time/Period

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Count 1 Level 1  
Usage Mandatory Predecessor -

Element	Description	Lng	Frmt	Example
2005	Date or time or period function code qualifier	3	AN	137
2380	Date or time or period text	35	AN	20240213
2379	Date or time or period format code	3	AN	102
DTM+137:20240213:102				

# Segment Group 1

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Count Usage 1..99 Conditional Level Predecessor 1 -

## RFF Reference

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Count Usage 1 Mandatory Level Predecessor 1 Segment Group 1

Element	Description	Lng	Frmt	Example
1153	Reference code qualifier	3	AN	ON
1154	Reference identifier	70	AN	5500002000
RFF+ON : 5500002000				

## DTM Date/Time/Period

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Count Usage 1 Mandatory Level Predecessor 1 Segment Group 1

Element	Description	Lng	Frmt	Example
2005	Date or time or period function code qualifier	3	AN	4
2380	Date or time or period text	35	AN	20240101
2379	Date or time or period format code	3	AN	102
DTM+4 : 20240101 : 102				

# Segment Group 2

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Count 1..99 Level 1  
 Usage Mandatory Predecessor -

## NAD Name and address

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Count 1 Level 2  
 Usage Mandatory Predecessor Segment Group 2

Element	Description	Lng	Frmt	Example
3035	Party function code qualifier	3	AN	BY
3039	Party identifier	35	AN	1100
3124#1	Name and address description	35	AN	ifm electronic gmbh
3036#1	Party name	35	AN	ifm electronic gmbh
3036#2	Party name	35	AN	ifm electronic gmbh
3042#1	Street and number or post office box identifier	35	AN	ifm-Straße 1
3042#2	Street and number or post office box identifier	35	AN	Halle 16
3164	City name	35	AN	Tettnang
3251	Postal identification code	17	AN	88069
3207	Country name coded	3	AN	DE
<b>NAD+BY+1100+ifm electronic gmbh+ifm electronic gmbh</b>				

# Segment Group 4

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Count Usage 1..99 Mandatory Level Predecessor 3 NAD

## CTA Contact Information

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Count Usage 1 Mandatory Level Predecessor 4 Segment Group 4

Element	Description	Lng	Frmt	Example
3139	Contact function code	3	AN	IC
3413	Department or employee name code	17	AN	172
3412	Department or employee name	3	AN	Mustermann, Max
<b>CTA+IC+172:Mustermann, Max</b>				

## COM Communication Contact

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Count Usage 1 Mandatory Level Predecessor 4 Segment Group 4

Element	Description	Lng	Frmt	Example
3148	Contact function code	512	AN	IC
3155	Department or employee name code	17	AN	0201 24 22 0
<b>COM+0118999881999119725-3:TE</b>				

# Segment Group 6

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Count 1..n Level 1  
Usage Conditional Predecessor -

## **GEI** Processing Information

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Count 1 Level 1  
Usage Mandatory Predecessor Segment Group 6

Element	Description	Lng	Fmt	Example
9649	Processing Information code qualifier	3	AN	3
7187	Process type description code	17	AN	35
<b>GEI+3++35</b>				

# Segment Group 12

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Count Usage                      1..n Conditional                      Level Predecessor                      2 Segment Group 6

## **LIN** Processing Information

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Count Usage                      1 Mandatory                      Level Predecessor                      3 Segment Group 12

Element	Description	Lng	Fmt	Example
1082	Line item identifier	6	AN	000010
7140	Item identifier	35	AN	AK2258921
7143	Item type identification code	3	AN	BP
<b>LIN+00010++ AK2258921 : BP</b>				

# Segment Group 13

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Count Usage                      0..99                      Level Predecessor                      3 Segment Group 12

## RFF Reference

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Count Usage                      1                      Level Predecessor                      4 Segment Group 13

Element	Description	Lng	Frmt	Example
1153	Reference code qualifier	3	AN	AAN
1154	Reference identifier	70	AN	55
RFF+AAN : 55				

## DTM Date/Time/Period

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Count Usage                      1                      Level Predecessor                      4 Segment Group 13

Element	Description	Lng	Frmt	Example
2005	Date or time or period function code qualifier	3	AN	171
2380	Date or time or period text	35	AN	20240101
2379	Date or time or period format code	3	AN	102
DTM+171 : 20240222 : 102				



# Segment Group 16

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Count Usage                    0..99                    Level Predecessor                    3 Segment Group 12

## QTY Quantity

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Count Usage                    1                    Level Predecessor                    4 Segment Group 16

Element	Description	Lng	Frmt	Example
6063	Quantity type code qualifier	3	AN	194
6060	Quantity	35	AN	100
6411	Measurement unit code	8	AN	PCE
<b>QTY+194:100.00:PCE</b>				

## DTM Date/Time/Period

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Count Usage                    0..2                    Level Predecessor                    4 Segment Group 16

Element	Description	Lng	Frmt	Example
2005	Date or time or period function code qualifier	3	AN	64
2380	Date or time or period text	35	AN	20240101
2379	Date or time or period format code	3	AN	102
<b>DTM+ 64:20240222:102</b>				

# Segment Group 18

Count Usage                    0..999                    Level Predecessor                    3 Segment Group 12

## SCC Scheduling Conditions

Count Usage                    1                    Level Predecessor                    4 Segment Group 18

Element	Description	Lng	Frmt	Example
4017	Delivery plan commitment level code	3	AN	1
SCC+1				

# Segment Group 19

Count Usage                    0..999                    Level Predecessor                    4 Segment Group 18

## QTY Quantity

Count Usage                    1                    Level Predecessor                    5 Segment Group 16

Element	Description	Lng	Frmt	Example
6063	Quantity type code qualifier	3	AN	113
6060	Quantity	35	AN	4000
6411	Measurement unit code	8	AN	PCE
QTY+113:4000.00:PCE				

## DTM Date/Time/Period

Count Usage                    0..9                    Level Predecessor                    5 Segment Group 16

Element	Description	Lng	Frmt	Example
2005	Date or time or period function code qualifier	3	AN	64
2380	Date or time or period text	35	AN	20240101
2379	Date or time or period format code	3	AN	102
DTM+ 64 : 20240222 : 102				

# UNT Date/Time/Period

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**Count** 1 **Level** 1  
**Usage** **Mandatory** **Predecessor** -

Element	Description	Lng	Frmt	Example
0074	Number of segments in a message	10	AN	80
0062	Message reference number	35	AN	172354030
<b>UNT+80+172354030</b>				