



BOSCH

Message Implementation Guideline

IFCSUM

based on

IFCSUM

Forwarding and consolidation summary message / **Warehouse EURO-LOG**

UN D.01B S3

Version: D.01B V2 for NGTM (Warehouse)
Issue date: 08.02.2024
Author: BD/DPA-TMI5
Contact: edi.koordination-beschaffung@bosch.com

Forwarding and consolidation summary message

Structure / Table of Contents

Counter	No	Tag	St	MaxOcc	Level	Content
0000	1	UNA	C	1	0	Service string advice
0000	2	UNB	M	1	0	Interchange header
0010	3	UNH	M	1	0	Message header
0020	4	BGM	M	1	0	Beginning of message
0030	5	DTM	R	1	1	Date/time/period
0050	6	FTX	C	1	1	General text information
0090		SG1	D	1	1	Shipment reference number
0100	7	RFF	M	1	1	Reference
0090		SG1	D	1	1	Load planning number
0100	8	RFF	M	1	1	Reference
0880		SG21	C	3	1	Equipment information
0890	9	EQD	M	1	1	Equipment details
0900	10	EQN	C	1	2	Number of units
0950	11	SEL	C	9	2	Seal number
1010	12	RFF	D	1	2	Container disposition order reference number
1120		SG25	R	9999	1	Consignment
1130	13	CNI	M	1	1	Consignment information
1400		SG32	C	1	2	Consignor's reference number
1410	14	RFF	M	1	2	Reference
1400		SG32	D	1	2	Container disposition order reference number
1410	15	RFF	M	1	2	Reference
3370	16	UNT	M	1	0	Message trailer
0000	17	UNZ	M	1	0	Interchange trailer

All times provided in DTM segments are in local event time!!

Counter = Counter of segment/group within the standard
 No = Consecutive segment number
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St = Status (M=Mandatory, R=Required, C=Conditional,
 O=Optional, F=Floating, D=Dependent, A=Advised,
 S=Situational, X=Not used, N=Not recommended)

Forwarding and consolidation summary message

Segments

Counter	No	Tag	St	MaxOcc	Level	Name
0000	2	UNB	M	1	0	Interchange header

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
UNB				
S001	Syntax identifier	M	M	
0001	Syntax identifier	M a4	M a4	UNOC UN/ECE level C
0002	Syntax version number	M n1	M n1	3 Version 3
S002	Interchange sender	M	M	
0004	Sender identification	M an..35	M an..35	Carrier ID
0007	Partner identification code qualifier	C an..4	N	Not used
0008	Address for reverse routing	C an..14	N	Not used
S003	Interchange recipient	M	M	
0010	Recipient identification	M an..35	M an..35	Fix value "EUROLOG"
0007	Partner identification code qualifier	C an..4	N	Not used
0014	Routing address	C an..14	N	Not used
S004	Date/time of preparation	M	M	
0017	Date of preparation	M n6	M n6	
0019	Time of preparation	M n4	M n4	
0020	Interchange control reference	M an..14	M an..14	
S005	Recipient's reference, password	C	N	
0022	Recipient's reference/password	M an..14	N	Not used
0025	Recipient's reference/password qualifier	C an2	N	Not used
0026	Application reference	C an..14	N	Not used
0029	Processing priority code	C a1	N	Not used
0031	Acknowledgement request	C n1	N	Not used
0032	Communications agreement ID	C an..35	N	Not used
0035	Test indicator	C n1	C n1	in case of test 1 Interchange is a test

Remark:

Example:

UNB+UNOC:3+Carrier ID+EUROLOG+180824:1357+0001000011+++++1'

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Forwarding and consolidation summary message

Segments

Counter	No	Tag	St	MaxOcc	Level	Name
0010	3	UNH	M	1	0	Message header

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
UNH				
0062	Message reference number	M an..14	M an..14	
S009	Message identifier	M	M	
0065	Message type	M an..6	M an..6	IFCSUM Forwarding and consolidation summary message
0052	Message version number	M an..3	M an..3	D Draft version/UN/EDIFACT Directory
0054	Message release number	M an..3	M an..3	01B Release 2001 - B
0051	Controlling agency	M an..2	M an..2	UN UN/CEFACT
0057	Association assigned code	C an..6	N	Not used
0068	Common access reference	C an..35	N	Not used
S010	Status of the transfer	C	N	
0070	Sequence of transfers	M n..2	N	Not used
0073	First and last transfer	C a1	N	Not used

Remark:

Example:

UNH+1+IFCSUM:D:01B:UN'

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Forwarding and consolidation summary message

Segments

Counter	No	Tag	St	MaxOcc	Level	Name
0020	4	BGM	M	1	0	Beginning of message

		Standard	Implementation	
Tag	Name	St Format	St Format	Usage / Remark
BGM				
C002	Document/message name	C	R	
1001	Document name code	C an..3	R an..3	788 Container manifest (unit packing list)
1131	Code list identification code	C an..17	N	Not used
3055	Code list responsible agency code	C an..3	N	Not used
1000	Document name	C an..35	N	Not used
C106	Document/message identification	C	R	
1004	Document identifier	C an..35	R an..35	Eurolog TM internal message Object-ID
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	C an..3	5 Replace 61 Complete schedule
4343	Response type code	C an..3	N	Not used

Remark:

Example:

BGM+788+1033403+5'

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Forwarding and consolidation summary message

Segments

Counter	No	Tag	St	MaxOcc	Level	Name
0030	5	DTM	R	1	1	Date/time/period

		Standard	Implementation	
Tag	Name	St Format	St Format	Usage / Remark
DTM				
C507	Date/time/period	M	M	
2005	Date or time or period function code qualifier	M an..3	M an..3	137 Document/message date/time
2380	Date or time or period value	C an..35	R an..35	
2379	Date or time or period format code	C an..3	R an..3	204 CCYYMMDDHHMMSS

Remark:

Example:

DTM+137:20180824135754:204'

No = Consecutive segment number
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Forwarding and consolidation summary message

Segments

Counter	No	Tag	St	MaxOcc	Level	Name
0050	6	FTX	C	1	1	General text information

		Standard	Implementation	
Tag	Name	St Format	St Format	Usage / Remark
FTX				
4451	Text subject code qualifier	M an..3	M an..3	AAI General information
4453	Free text function code	C an..3	N	Not used
C107	Text reference	C	N	
4441	Free text value code	M an..17	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
C108	Text literal	C	R	
4440	Free text value	M an..512	M an..512	
4440	Free text value	C an..512	C an..512	
4440	Free text value	C an..512	N	Not used
4440	Free text value	C an..512	N	Not used
4440	Free text value	C an..512	N	Not used
3453	Language name code	C an..3	N	Not used
4447	Free text format code	C an..3	N	Not used

Remark:

Additional handling information, e.g. where to hand over goods in case of preliminary leg.

Example:

FTX+AAI+++BEI ABGANGSORT KARLSRUHE GILT INCOTERM FCA FRANKFURT !!!:X'

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Forwarding and consolidation summary message

Segments

Counter	No	Tag	St	MaxOcc	Level	Name
0090		SG1	D	1	1	Shipment reference number
0100	7	RFF	M	1	1	Reference

		Standard	Implementation		
Tag	Name	St Format	St Format	Usage / Remark	
RFF					
C506	Reference	M	M		
1153	Reference code qualifier	M an..3	M an..3	SRN Shipment reference number	
1154	Reference identifier	C an..70	R an..70	LOAD number received by Eurolog IFCSUM (pre-carriage)	
1156	Document line identifier	C an..6	N	Not used	
4000	Reference version identifier	C an..35	N	Not used	
1060	Revision identifier	C an..6	N	Not used	

Remark:
Mandatory in case a TMS LOAD ID for pre-carriage IFCSUM was sent

Example:
RFF+SRN:5013385'

No = Consecutive segment number
MaxOcc = Maximum occurrence of the segment/group
Counter = Counter of segment/group within the standard

St = Status (M=Mandatory, R=Required, C=Conditional,
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Forwarding and consolidation summary message

Segments

Counter	No	Tag	St	MaxOcc	Level	Name
0090		SG1	D	1	1	Load planning number
0100	8	RFF	M	1	1	Reference

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
RFF				
C506	Reference	M	M	
1153	Reference code qualifier	M an..3	M an..3	LO Load planning number
1154	Reference identifier	C an..70	R an..70	Hub provider's (BCO) own generated unique LOAD number. Combination: Carrier ID "-" BCO master shipment number
1156	Document line identifier	C an..6	N	Not used
4000	Reference version identifier	C an..35	N	Not used
1060	Revision identifier	C an..6	N	Not used

Remark:
Mandatory in case no TMS LOAD ID for pre-carriage IFCSUM was sent

Example:
RFF+LO:CAR_0097078634-123456789'

No = Consecutive segment number
MaxOcc = Maximum occurrence of the segment/group
Counter = Counter of segment/group within the standard

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Forwarding and consolidation summary message

Segments

Counter	No	Tag	St	MaxOcc	Level	Name
0880		SG21	C	3	1	Equipment information
0890	9	EQD	M	1	1	Equipment details

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
EQD				
8053	Equipment type code qualifier	M an..3	M an..3	for example AQ Road/rail trailer CN Container TE Trailer MTD Method AUT Authorized person
C237	Equipment identification	C	D	
8260	Equipment identifier	C an..17	R an..17	Container ID, if CN License plate of truck, if AQ License plate of trailer, if TE SM1 or SM2, if MTD (SM1=weighted, SM2=calculated) VGM (Verified gross mass) creator, if AUT Required, if value is available
1131	Code list identification code	C an..17	N	Not used
3055	Code list responsible agency code	C an..3	N	Not used
3207	Country name code	C an..3	N	Not used
C224	Equipment size and type	C	D	
8155	Equipment size and type description code	C an..10	R an..10	Required, if value is available Additional values with explanations see Appendix 1 e.g. 22GP 45GP MEGA 7,5t
1131	Code list identification code	C an..17	N	Not used
3055	Code list responsible agency code	C an..3	N	Not used
8154	Equipment size and type description	C an..35	R an..35	see Appendix 1
8077	Equipment supplier code	C an..3	N	Not used
8249	Equipment status code	C an..3	N	Not used
8169	Full or empty indicator code	C an..3	N	Not used

Remark:

Example:

Sea freight: EQD+CN+UACU5662671+45GP:::40?' Standard Dry High Cube'
Road freight: EQD+AQ+S-XY 510+MEGA:::Megatrailer'

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Forwarding and consolidation summary message

Segments

Counter	No	Tag	St	MaxOcc	Level	Name
0880		SG21	C	3	1	Equipment information
0900	10	EQN	C	1	2	Number of units

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
EQN				
C523	Number of unit details	M	M	
6350	Units quantity	C n..15	R n..15	
6353	Unit type code qualifier	C an..3	R an..3	2 Transportable unit

Remark:

Example:

EQN+9:2'

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Forwarding and consolidation summary message

Segments

Counter	No	Tag	St	MaxOcc	Level	Name
0880		SG21	C	3	1	Equipment information
0950	11	SEL	C	9	2	Seal number

		Standard	Implementation	
Tag	Name	St Format	St Format	Usage / Remark
SEL				
9308	Seal identifier	C an..35	R an..35	
C215	Seal issuer	C	C	
9303	Sealing party name code	C an..3	C an..3	SH Shipper
1131	Code list identification code	C an..17	N	Not used
3055	Code list responsible agency code	C an..3	N	Not used
9302	Sealing party name	C an..35	C an..35	
4517	Seal condition code	C an..3	N	Not used
C208	Identity number range	C	N	
7402	Object identifier	M an..35	N	Not used
7402	Object identifier	C an..35	N	Not used

Remark:

Example:

SEL+035514+SH::Sealing party name'

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Forwarding and consolidation summary message

Segments

Counter	No	Tag	St	MaxOcc	Level	Name
0880		SG21	C	3	1	Equipment information
1010	12	RFF	D	1	2	Container disposition order reference number

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
RFF				
C506	Reference	M	M	
1153	Reference code qualifier	M an..3	M an..3	AKA Container disposition order reference number
1154	Reference identifier	C an..70	R an..70	
1156	Document line identifier	C an..6	R an..6	
4000	Reference version identifier	C an..35	N	Not used
1060	Revision identifier	C an..6	N	Not used

Remark:

relevant for sea freight pre-booking process: position number of one container (3 digits)

Example:

RFF+AKA:loadID:001'

No = Consecutive segment number
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Forwarding and consolidation summary message

Segments

Counter	No	Tag	St	MaxOcc	Level	Name
1120		SG25	R	9999	1	Consignment
1130	13	CNI	M	1	1	Consignment information

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
CNI				
1490	Consolidation item number	C n..4	R n..4	
C503	Document/message details	C	R	
1004	Document identifier	C an..35	R an..35	Reference number, which should be send back in the IFTSTA message TO ("shipment")
1373	Document status code	C an..3	N	Not used
1366	Document source description	C an..70	N	Not used
3453	Language name code	C an..3	N	Not used
1056	Version identifier	C an..9	N	Not used
1060	Revision identifier	C an..6	N	Not used
1312	Consignment load sequence identifier	C n..4	N	Not used

Remark:

Example:

CNI+1+SON0013712743'

No = Consecutive segment number
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Forwarding and consolidation summary message

Segments

Counter	No	Tag	St	MaxOcc	Level	Name
1400		SG32	C	1	2	Consignor's reference number
1410	14	RFF	M	1	2	Reference

		Standard	Implementation		
Tag	Name	St Format	St Format	Usage / Remark	
RFF					
C506	Reference	M	M		
1153	Reference code qualifier	M an..3	M an..3	CU Consignor's reference number	
1154	Reference identifier	C an..70	R an..70		
1156	Document line identifier	C an..6	N	Not used	
4000	Reference version identifier	C an..35	N	Not used	
1060	Revision identifier	C an..6	N	Not used	

Remark:

Example:

RFF+CU: 73252032 '

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Forwarding and consolidation summary message

Segments

Counter	No	Tag	St	MaxOcc	Level	Name
1400		SG32	D	1	2	Container disposition order reference number
1410	15	RFF	M	1	2	Reference

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
RFF				
C506	Reference	M	M	
1153	Reference code qualifier	M an..3	M an..3	AKA Container disposition order reference number
1154	Reference identifier	C an..70	R an..70	
1156	Document line identifier	C an..6	R an..6	
4000	Reference version identifier	C an..35	N	Not used
1060	Revision identifier	C an..6	N	Not used

Remark:

relevant for sea freight pre-booking process: position number of one container (3 digits)

Example:

RFF+AKA:loadID:001'

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Forwarding and consolidation summary message

Segments

Counter	No	Tag	St	MaxOcc	Level	Name
3370	16	UNT	M	1	0	Message trailer

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
UNT				
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+14+1'

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Segments

Counter	No	Tag	St	MaxOcc	Level	Name
0000	15	UNZ	M	1	0	Interchange trailer

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
UNZ				
0036	Interchange control count	M n..6	M n..6	
0020	Interchange control reference	M an..14	M an..14	

Remark:

Example:

UNZ+1+0001000011'

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Example message

No. Tag	Example
0000 UNA	UNA:+.? '
0000 UNB	UNB+UNOC:3+Carrier ID+EUROLOG+180824:1357+0001000011+++++1'
0010 UNH	UNH+1+IFCSUM:D:01B:UN'
0020 BGM	BGM+788+1033403+5'
0030 DTM	DTM+137:20180824135754:204'
0050 FTX	FTX+AAI+++BEI ABGANGSORT KARLSRUHE GILT INCOTERM FCA FRANKFURT !!!:X'
SG1	
0100 RFF	RFF+SRN:5013385'
SG1	
0100 RFF	RFF+LO:CAR_0097078634-123456789'
SG21	
0890 EQD	EQD+CN+UACU5662671+45GP:::40?' Standard Dry High Cube'
0900 EQN	EQN+9:2'
0950 SEL	SEL+035514+SH:::Sealing party name'
1010 RFF	RFF+AKA:loadID:001'
SG25	
1130 CNI	CNI+1+SON0013712743'
SG32	
1410 RFF	RFF+CU:73252032'
SG32	
1410 RFF	RFF+AKA:loadID:001'
3370 UNT	UNT+14+1'
0000 UNZ	UNZ+1+0001000011'

Change History

Date	Changes
14.12.2022 Version 1	Initial version
08.02.2024	Version 2 New RFF+AKA in SG21 and SG32