SYNCHRONIZED CALL-OFF

SYNCRO/DELJIT

Implementation Guidelines

Detailed description of SYNCRO/DELJIT message used for EDI between *ŠKODA AUTO* a. s. and suppliers

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This description is based on ODETTE documentation. Detailed information you can find in ODETTE documentation for SYNTAX and SYNCRO/DELJIT.

Global features of transmission

Message standard	**ODETTE subset EDIFACT**
Syntax	**EDIFACT versn. 1 - DIN/ISO 9735**
Data elements	**Directory UN/TDED - ISO 7372**
Character set	**A**
Message	**SYNCRO/DELJIT V3R1 Based on D96A**

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Types of transmitted messages

Message Type	*Content*	*Changes*	*Frequency*
Reference Data A500	Scheduled production for following week period . **One message contains complete production orders for production of mentioned week.** Cars are given in sequence for an assembly line. Given sequence can be changed.	Each new message replaces an old one.	Once a week
Sequence Forecast	Demand for a delivery of all parts for 1 car based on the actual need at body shop entry point - R100. **Messages are issued in sequence of a car production on an assembly line - one message is related to one car.** Note: A message is issued on agreement with supplier only.	Demand is not allowed either to cancel or change.	Assembly line frequency
Synchronized Call Off	Demand for the immediate delivery of all parts for 1 car based on the actual need at the starting point of an assembly line - point M1. **Messages are issued in sequence of a car production on an assembly line - one message is related to one car.** Note: It is possible to issue a message "Forecast of Sequence" with the same content as above at the input to a body shop - point R1 - if agreed	Demand is not allowed either to cancel or change.	Assembly line frequency

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Structure of SYNCRO/DELJIT transmission - segments sent within one transmission

UNB			*Interchange Header*	*Service segment*
UNH			*Message Header*	*Service segment*
	BGM		Beginning of Message	SYNCRO/DELJIT
	DTM		Date/Time	SYNCRO/DELJIT
	NAD		Customer	SYNCRO/DELJIT
	NAD		Consignee	SYNCRO/DELJIT
	NAD		Supplier	SYNCRO/DELJIT
	SEQ		Sequence Details	SYNCRO/DELJIT
		DTM	Date/Time	SYNCRO/DELJIT
		GIR	Sequence Identification Numbers	SYNCRO/DELJIT
		GIR	Vehicle Identification Numbers	SYNCRO/DELJIT
		LOC	Place/Location	SYNCRO/DELJIT
		LIN	Line/Part Number	SYNCRO/DELJIT
			QTY Quantity	SYNCRO/DELJIT
		LIN	Line/Part Number	SYNCRO/DELJIT
			QTY Quantity	SYNCRO/DELJIT
		…		SYNCRO/DELJIT
		LIN	Line/Part Number	SYNCRO/DELJIT
			QTY Quantity	SYNCRO/DELJIT
	SEQ			SYNCRO/DELJIT
		DTM (GIR, …, QTY)		SYNCRO/DELJIT
UNT			*Message Trailer*	*Service segment*
UNZ			*Interchange Trailer*	*Service segment*

Remarks :

1. Segments within transmission are ordered as written above.
2. Number of repeating of segments is described in following tables.

Explanation notes on a message description

Level 0 1 2 3 4	Segment	Tag	Status	Rpts	Format Skoda	Data content
1	NAD		M	1		**NAME, ADDRESS SUPPLIER (Consignor)**
		3035	m		an..3	PARTY QUALIFIER **'CZ'** – Supplier (Consignor)
		C082	c			SUPPLIER (CONSIGNOR) IDENTIFICATION
		3039	m		an..20	Skoda supplier number ***aaaaaa*** – 6 digits incl. index (without slash) Note: In the medium term the supplier number will be transmitted as 10-digit (8 digits plus 2 digits index). **Data content :** an explanation of data used by Skoda Auto **'XX'** – constant value ***xxxxx*** – variable value in Skoda Auto format
					Format Skoda : data element type incl. max. length used a – alphabetic n – numeric an – alphanumeric	
				Rpts : max. possible repetition of a segment **/n** represents number of repetition within Škoda Auto message		
			Status : M – mandatory segment / data element C – conditional segment / data element			
		Tag : name of single / composite data element name of component data element				
	Segment : name of segment / group of segments					
Level : hierarchical level of a segment within EDIFACT message structure						

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Level 0 1 2 3 4	Segment	Tag	Status	Rpts	Format Skoda	Data content
0	**UNB**		**M**	**1**		**INTERCHANGE HEADER** ***Service segment***
		S001	m			SYNTAX IDENTIFIER
		0001	m		a4	Syntax identifier UNO for EDIFACT syntax followed by level identifier A **'UNOA'**
		0002	m		n1	Syntax version number **'1'**
		S002	m			INTERCHANGE SENDER
		0004	m		an..35	Sender identification, ODETTE-ID of interchange sender i.e. **'O0013000001VW~~~~~R3A'**
		S003	m			INTERCHANGE RECIPIENT
		0010	m		an..35	Recipient identification, ODETTE-ID of interchange recipient
		S004	m			DATE/TIME OF PREPARATION
		0017	m		n6	Date of interchange preparation - ***YYMMDD***
		0019	m		n4	Time of interchange preparation - ***HHMM***
		0020	m		an..14	INTERCHANGE CONTROL REFERENCE Unambiguous reference number issued by the sender to track the transaction. See also UNZ.
0	**UNH**		**M**	**1**		**MESSAGE HEADER** ***Service segment***
		0062	m		an..14	MESSAGE REFERENCE NUMBER UNH is counted through for each data transmission. See also UNT.
		S009	m			MESSAGE IDENTIFIER
		0065	m		an..6	**'DELJIT'** - Message type
		0052	m		an..3	**'D'** - Message version number
		0054	m		an..3	Message release number **'96A'** – for Reference Data **'95B'** – for Sequence Forecast and Synchronized Call-off
		0051	m		a2	**'UN'** - Controlling agency

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Level 0 1 2 3 4	Segment	Tag	Status	Rpts	Format Skoda	Data content
1	**BGM**		**M**	**1**		**BEGINNING OF MESSAGE** Document Type and Number
		C002	c			DOCUMENT / MESSAGE NAME
		1001	c		an..3	Message type coded **'REF'** - Reference Data (weekly schedule A500) **'SEV'** - Sequence Forecast (e.g. bodyshop call-off R100) **'30'** - Synchronized Call-off (PAB)
		3055	c		an..3	Code list responsible agency **'10'** – Responsible agency : ODETTE
		1004	c		an..17	DOCUMENT / MESSAGE NUMBER call-off number, counted through for each document or application
1	**DTM**		**M**	**10/1**		**DATE / TIME / PERIOD**
		C507	m	1		DATE / TIME
		2005	m		an..3	Date / time qualifier **'137'** - Date of message creation for Reference Data time of message creation in application for Sequence Forecast and PAB: time of message creation in FIS-JIT
		2380	c		a14	Date/time ***CCYYMMDDHHMM*** - for Sequence Forecast (SEV) and Synchronized Call-off (30) ***CCYYMMDD*** - for Reference Data (REF)
		2379	c		an..3	Date / time format qualifier **'203'** – for Seq. Forecast (SEV) and Synchr. Call-off (30) **'102'** - for Reference Data (REF)

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Level 0	1	2	3	4	Segment	Tag	Status	Rpts	Format Skoda	Data content
	1				***GR02***		***C***	***20/3***		***PARTNER INFORMATION*** ***Repetition of Group 02 just 3 times within a message***
1					**NAD**		**M**	**1**		**NAME, ADDRESS CUSTOMER**
						3035	m		an..3	PARTY QUALIFIER **'BY'** - Customer
						C082	c			CUSTOMER IDENTIFICATION
						3039	m		an..20	Customer name. If not otherwise bilaterally agreed, marque name is set as default. **'SKODA'** 'VW' - Volkswagen 'Audi' 'SEAT' 'VWB' - Volkswagen Brussels 'VWN' - Volkswagen Commercial Vehicles 'VWS' - Volkswagen Saxony (Mosel)
						3055	c		an..3	Code list responsible agency **'92'** - Qualifier if marque name used **'91'** - Qualifier if customer number agreed
1					**NAD**		**M**	**1**		**NAME, ADDRESS RECIPIENT OF GOODS (Consignee)** ***Not transmitted for Reference Data***
						3035	m		an..3	PARTY QUALIFIER **'CN'** – Recipient (Consignee)
						C082	c			RECIPIENT (CONSIGNEE) IDENTIFICATION
						3039	m		an..20	Skoda Auto plant coded - ***nn*** (2 digits) **'31'** - Mladá Boleslav **'32'** - Vrchlabí **'33'** - Kvasiny
1					**NAD**		**M**	**1**		**NAME, ADDRESS SUPPLIER (Consignor)**
						3035	m		an..3	PARTY QUALIFIER **'CZ'** – Supplier (Consignor)
						C082	c			SUPPLIER (CONSIGNOR) IDENTIFICATION
						3039	m		an..20	Skoda supplier number ***aaaaaa*** – 6 digits incl. index (without slash) Note: In the medium term the supplier number will be transmitted as 10-digit (8 digits plus 2 digits index).

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Level 0	1	2	3	4	Segment	Tag	Status	Rpts	Format Skoda	Data content
	1				***GR04***		***M***	***n/n***		***PRODUCTION SEQUENCE*** ***Repetition of Group 04 within a message according to a number of vehicle records***
	1				**SEQ**		**M**	**1**		**SEQUENCE DETAILS**
						1245	c		an..3	STATUS INDICATOR ***aa*** – indicator controlling processing at the JiT supplier Within a transmission of Reference Data (A500) 3 - New record (first receipt) 6 - Extended Call-off forecast 2 - Delete record * 3 - Change record - new record after delete record * 9 - Test / No delivery! * The change service applies to complex IZSBs (individual assemblies) described by more than one part number, only for the changed range of numbers, not for all part numbers of the IZSB Within a transmission of Sequence Forecast the same indicators are used as for the reference data. Data are allocated through a file name and the reference within BGM. Within a transmission of PAB from FIS-JIT 3 - JiT call-off 9 - Test / No delivery! 10 - Already delivered / Additional Call-off, in case of complex IZSBs part-ranges (one or more part numbers) can also be additionally ordered. Additional Call-off indicator within GIR segment must be taken into account for further processing.
						C286	c			SEQUENCE INFORMATION
						1050	m		an6	Production sequence number - ***nnxxxx*** For Synchronized Call-off (30): *nn* - assembly line no. (i.e. 01 - Octavia MB, 07 - Octavia Vrchlabí, 02 - A0 MB, 05 - A0 Kvasiny; possibility to change or add a value) *xxxx* - sequence no. on assembly line. Note: counter zero-setting is dependent on local FIS-JIT installation. For Sequence Forecast (SEV) data is always entered as recording point no. *nn* and sequence no. *xxxx*. For Reference Data (REF) no real assembly line no. and no sequence information is transmitted, but always 6 digits = '000000'.

Level 0 1 2 3 4	Segment	Tag	Status	Rpts	Format Skoda	Data content
2	DTM		C	1		**DATE / TIME / PERIOD (Production sequence)**
		C507	m			DATE / TIME OF CALL-OFF
		2005	m		an..3	Date / time qualifier **'194'** - Date of Call-off issue for Sequence Forecast (SEV) and Synchronized Call-off (30) time at the agreed issuing point for Reference Data (REF) expected delivery date
		2380	c		a14	Date/time for Sequence Forecast (SEV) and Synchronized Call-off (30) - ***CCYYMMDDHHMM*** Date/time for Reference Data (REF) - ***CCYYMMDD***
		2379	c		an..3	Date / time format qualifier **'203'** – for Seq. Forecast (SEV) and Synchr. Call-off (30) **'102'** - for Reference Data (REF)
2	*GIR*		*C*	*99/2*		***SEQUENCE RELATED IDENTIFICATION NUMBERS*** ***Repetition of GIR up to 2 times for a vehicle***
2	GIR		C	1		**SEQUENCE IDENTIFICATION NUMBERS** ***Not transmitted for Reference Data***
		7297	m		an..3	SET IDENTIFICATION QUALIFIER **'ADD'** - Additional data qualifier
		C206	c	1		ADDITIONAL VEHICLE IDENTIFICATION
		7402	c		an..35	System synchronisation code ***nnnnnnnnnnnn*** (max 12-digit) a unique identification (serial number) of call-off within JIT-system - using for a requirement of a repeated transmission
		7405	c		an..3	**'SSR'** - Systems Sequence Reference qualifier
		C206	c	1		ADDITIONAL VEHICLE IDENTIFICATION
		7402	c		an..35	Special specifications ***caaaaaaaaaaa*** (max 12 digit) Transmission dependent on features of delivered part. Additional car identification used i.e. for so called "manufacturing SKD/CKD" *c* - blank = no spec., P = Poland, B = Bosnia, I = India
		7405	c		an..3	**'SVS'** - additional vehicle specifications qualifier
		C206	c	1		ADDITIONAL VEHICLE IDENTIFICATION
		7402	c		an..35	Additional Call-Off - ***aaa*** (max 3-digit) The Additional Call-off identifier controls, among others, the creation of the EDI TSL (costs chargeable to VW-Audi) Code / Fault category / Proposal cost-bearing / i.e. in EDI TSL G.. Quality / damage charged to supplier P.. Damage in prod. charged to VW / Audi in TSL F.. Defective part charged to supplier H.. Defective part charged to VW / Audi in TSL L.. Misconstruction charged to supplier K.. Misconstruction charged to VW / Audi in TSL E.. TE-Problem charged to VW / Audi in TSL
		7405	c		an..3	**'ACO'** - Additional Call-Off qualifier

Level 0 1 2 3 4	Segment	Tag	Status	Rpts	Format Skoda	Data content
2	GIR		C	1		**VEHICLE IDENTIFICATION NUMBERS**
		7297	m		an..3	SET IDENTIFICATION QUALIFIER **'4'** – Vehicle reference data qualifier
		C206	m	1		IDENTIFICATION NUMBER
		7402	m		an..35	VIN (Body number) ***aaaaaaaaaaaaaaaaa*** (17-digit) - for Sequence Forecast (SEV) and Synchronized Call-off (30) **'0'** - for Reference Data (REF)
		7405	c		an..3	**'VV'** - Vehicle identity number qualifier
		C206	m	1		IDENTIFICATION NUMBER
		7402	m		an..35	"Kenn-Nr." (Code number) ***YYWWDnnnnP*** 10-digit where *YY* - Target production year *WW* - Calendar week (ZP-8 planning date) *D* - Day of week (ZP-8 planning date) *nnnn* - Sequence no. unambiguous per day of a week *P* - Test digit (Modulo 10, calculated via WWDnnnn) *Calculation method:* Code No. (WWDnnnn only) : $K_1 K_2 K_3 K_4 K_5 K_6 K_7$ $X=(K_1+K_3+K_5+K_7)*3+K_2+K_4+K_6$ X / 10 = Y **carry Z** if carry Z unequal to 0, test digit **P = 10 – Z** if carry Z = 0 , test digit P = 0 Example of Code No. 002646008 X = (2+4+0+8)*3+6+6+0 = 54 X/10 = 54/10 = 5 carry 4 **P** = 10-4 **= 6**
		7405	m		an..3	**'AN'** - Code number qualifier
		C206	c	1		IDENTIFICATION NUMBER
		7402	c		an..35	Model identification **yyaaa** - 5-digit where *yy* - model year *aaa* - model, not yet transmitted in Reference Data and Sequence Forecast
		7405	c		an..3	**'TMA'** - Model qualifier
2	LOC		C	1		**PLACE / LOCATION IDENTIFICATION**
		3227	m		an..3	PLACE / LOCATION QUALIFIER **'54'** - Manufacturing department - for Sequence Forecast (SEV) and Synchronized Call-off (30) **'159'** - Place of destination (plant) - for Reference Data (REF)
		C517	c			LOCATION IDENTIFICATION
		3225	m		an..17	***aaaa*** - (4-digit) for Seq. F'cast (SEV) and Synch. Cal-off (30) i.e. manufacturing entry point R100 - bodyshop for additional Call-offs an agreed delivery location is transmitted ***aa*** (2-digit) - for Reference Data (REF) pl. of destination - **'31'** - Mladá Boleslav **'32'** - Vrchlabí **'33'** - Kvasiny

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Level 0 1 2 3 4	Segment	Tag	Status	Rpts	Format Skoda	Data content
	GR07		***C***	***n/n***		***SCHEDULED ARTICLE*** ***Repetition of Group 07 within a message :*** ***For „simple“ JiT assemblies – just once*** ***For „complex“ JiT assemblies – n times***
2	**LIN**		**M**	**1**		**PART / ITEM NUMBER**
		C212	m			PART NUMBER IDENTIFICATION
		7140	m		an..35	Skoda Auto part number (item number) ***ttt mmm uuu ii fff*** where ttt - Type designation mmm - Mid-group uuu - Sub-group ii - Index fff - Colour code poss. logistics code
		7143	m		an..3	Item number type, coded **‘IN’** - Customer part number qualifier
3	***GR11***		***C***	***100/1***		***SCHEDULING DETAILS***
3	**QTY**		**M**	**1**		**QUANTITY**
		C186	m			QUANTITY DETAILS
		6063	m		an..3	Quantity qualifier **‘131’** - Delivery quantity qualifier
		6060	m		n..15	Quantity (to be delivered)
		6411	m		an..3	Measure unit qualifier **‘PCE’** - see ODDC025

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Level 0 1 2 3 4	Segment	Tag	Status	Rpts	Format Skoda	Data content
0	**UNT**		**M**	**1**		**MESSAGE TRAILER** ***Service segment***
		0074	m		n..6	NUMBER OF SEGMENTS IN A MESSAGE control count of segments incl. UNH and UNT segments
		0062	m		an..14	MESSAGE REFERENCE NUMBER identical to 0062 in UNH
0	**UNZ**		**M**	**1**		**INTERCHANGE TRAILER** ***Service segment***
		0036	m		n..6	INTERCHANGE CONTROL COUNT control count of number of messages within an interchange **'1'**
		0020			an..14	INTERCHANGE CONTROL REFERENCE identical to 0020 in UNB

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An example of SYNCRO/DELJIT message - Reference Data (A500)

```
UNB+UNOA:1+O0013000001VW      R3A+O094246711953  172 YP5+990211:1514+00514'
UNH+1+DELJIT:D:96A:UN'
BGM+REF::10+00514'
DTM+137:19990211:102'
NAD+BY+SKODA::92'
NAD+CZ+143740'
SEQ+3+000000'
DTM+194:19990215:102'
GIR+4+0+9905140961:AN'
LOC+159+31'
LIN+++ 1U4881021GJJCT:IN'
QTY+131:1:PCE'
LIN+++ 1U4881022GHJCT:IN'
QTY+131:1:PCE'
LIN+++ 1U0885041N JCT:IN'
QTY+131:1:PCE'
SEQ+3+000000'
DTM+194:19990215:102'
GIR+4+0+9905141074:AN'
LOC+159+31'
LIN+++ 1U4881021CJFGM:IN'
QTY+131:1:PCE'
LIN+++ 1U4881022BMFGM:IN'
QTY+131:1:PCE'
LIN+++ 1U0885041C FGM:IN'
QTY+131:1:PCE'
SEQ+3+000000'
DTM+194:20000215:102'
GIR+4+0+0005140961:AN'
LOC+159+31'
LIN+++ 1U4881021GJABC:IN'
QTY+131:1:PCE'
LIN+++ 1U4881022GHABC:IN'
QTY+131:1:PCE'
LIN+++ 1U0885041N ABC:IN'
QTY+131:1:PCE'
SEQ+2+000000'
DTM+194:20000216:102'
GIR+4+0+0005141074:AN'
LOC+159+31'
LIN+++ 1U4881021CJABC:IN'
QTY+131:1:PCE'
LIN+++ 1U4881022BMABC:IN'
QTY+131:1:PCE'
LIN+++ 1U0885041C ABC:IN'
QTY+131:1:PCE'
UNT+46+1'
UNZ+1+00514'
```

An example of SYNCRO/DELJIT message - Synchronised Call-off

```
UNB+UNOA:1+O0013000001VW      T3X+O094214615011  048 RCR+990202:1159+147885'
UNH+1+DELJIT:D:95B:UN'
BGM+30::10+023634'
DTM+137:199902021159:203'
NAD+BY+SKODA::92'
NAD+CN+31'
NAD+CZ+027190  '
SEQ+3+010149'
DTM+194:199902021157:203'
GIR+ADD+147885:SSR+DJ99L:SVS'
GIR+4+WAUZZZ8LZXA061492:VV+9905254460:AN+  8L1:TMA'
LOC+54+M000'
LIN+++ 8L0 890 509 A          :IN'
QTY+131:1:PCE'
LIN+++ 8L1 260 400            :IN'
QTY+131:1:PCE'
LIN+++ 8L0 941 003 A          :IN'
QTY+131:1:PCE'
LIN+++ 8L0 941 004 A          :IN'
QTY+131:1:PCE'
LIN+++ 8L0 805 494            :IN'
QTY+131:1:PCE'
LIN+++ 8L0 121 201 K          :IN'
QTY+131:1:PCE'
UNT+24+1'
UNZ+1+147885'
```


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