1.	Overview procedures
2.	general
2.1	objectives
2.2	hasics
	legal requirements
2.3	
2.4	amendments
3.	data type structure
4.	data validity check
4.1	valid data types
4.1.1	valid data types SBI
4.1.2	valid data types Retro SBI
4.2	valid data type sequence
4.2.1	valid data type sequence SBI
4.2.2	valid data type sequence Retro SBI
4.3	check of correct version number
4.4	general formal check
	general logical check
4.5 4.5.1	data type 821
	Customer code/supplier code
4.5.1.1	transmission number old/new
4.5.1.2	VAT-ID
4.5.1.3	data type 829
4.5.2	data type 627
5.	programme test/record retention
5.1	format-check
5.2	check of contents
5.3	comparison with supplier internal data
5.4	data process in financial accounting/accounts receivable
5.5	interface to remittance advice VDA standard 4907
5.6	record retention period
6.	ERS flow chart
6.1	process recommendation for data receivers
6.2	data and document flow
7	attachments
7.	attachments attachment 1 - description data type 821
	attachment 2 - description data type 822
	attachment 3 - description data type 823
	attachment 3 - description data type 623
	attachment 4 - description data type 824
	attachment 5 - description data type 825
	attachment 6 - description data type 826
	attachment 7 - description data type 827
	attachment 8 - description data type 828
	attachment 9 - description data type 829
	attachment 10 - key-index
	attachment 11 - record-layout
	attachment 12 - EDI voting record
	attachment 13 - voting record of deviations
	attachment 14 - receipt SBI/retroactive payment SBI
	attachment 15 - Ministery of Finance letter

1. overview procedures

Within ERS the customer evaluates shipments after receipt automatically with agreed net prices. Evaluated receipts are reported to suppliers by \underline{S} elf \underline{B} illing Invoices.

Shipping/Receiving dates trigger payment due dates. SBI's will be produced for each payment due date.

SBI's provide a running sequence number for each supplier shipment side, report it as invoice number and show it in addition on the Remittance Advice of the payment due date.

The EDI transmission has to be recorded by the customer (data producer) in line with national legal requirements.

2. general

2.1 objectives

- rapid transmission of SBI-data
- automatic reconciliation and mechanical match of open items
- elimination of input for SBI receiver
- processing of regular data by standardized interfaces
- error reduction
- immediate data transfer to supplier's accounts receivables

This procedure describes the handling of EDI of SBI-data via public telephone networks in the automotive industry. With full intention it was developed for general purpose independent from individual user systems to faciliate implementation for additional partners and to consider all essential elements.

2.2 fundamentals

The procedure is based on recommendation of the VDA steering committee for electronic data interchange.

It deals with determination of unique data types, data elements, field lengths, field types, keys and codes used as binding interface manuals. At the same time it works as programming base between EDI-partners.

To the possible extend SBI data follow international determined standards, which might be transferred into internally used company keys.

2.3 legal requirements

Authorization of EDI for SBI follows § 14 chapter 5 and 6 fiscal legislation in addition to the letter of the minister of finance dated from may 25.1992 number IV A 2 - Page 7280 and §§ 145-147 "Abgabenordnung". Similar legislation exists in Britain and some other european countries.

2.4 ammendments

Recommendations for ammendments should be directed to the VDA in writing. If possible they will be published with the next version of the standard 4908.

3. data type structure

For each standard data types have been developed to enable a controlled transmission for financial sensitive data You will find the structure as well as standard elements, field length, field type etc in the attachments.

For SBI on EDI data types 821-829 have been allocated. Length is 128 bytes for all data types. All fields are defined as character format

Content	data t	ype
- supplier data header record	,	821 once per each EDI
- unique data elements of the SBI		822
- unique data elements of the		
delivery documents		823
- standing data of the delivery		
documents		824
- reductions/surcharges related		
positions		825
- complementary standing data of		
an retroactive payment SBI		826
- national demands		827
- complementary currency		
specifications		828
- count of record types data		829 once per each EDI
- · · · · · · · · · · · · · · · · · · ·		

SBI key in data type 822, position 14, defines the SBI type of transmission ('0' = SBI, '1' = Retro SBI, '2' = transmission of data types follows the SBI key).

Dependent to the SBI-key the transmission of the single data types will be changed.

For cost efficiency reasons, all data types have been developed free of redundancies, i.e. each field will be transmitted only once. It is therefor recommended that defintions as customer code, SBI number, delivery doc. number etc should be integrated into all data types following user internal programmes to enable a clear sequence

In addition we recommend to use unique VAT percentages and currency codes per transmission.

4. data validity check

Harrist College transmission of the State and State and

The testconditions of the program are corresponding to the agreements of the VDA working group "Vordruckwesen/Daten-austausch". Following program-tests have to be considered by the EDI-participants:

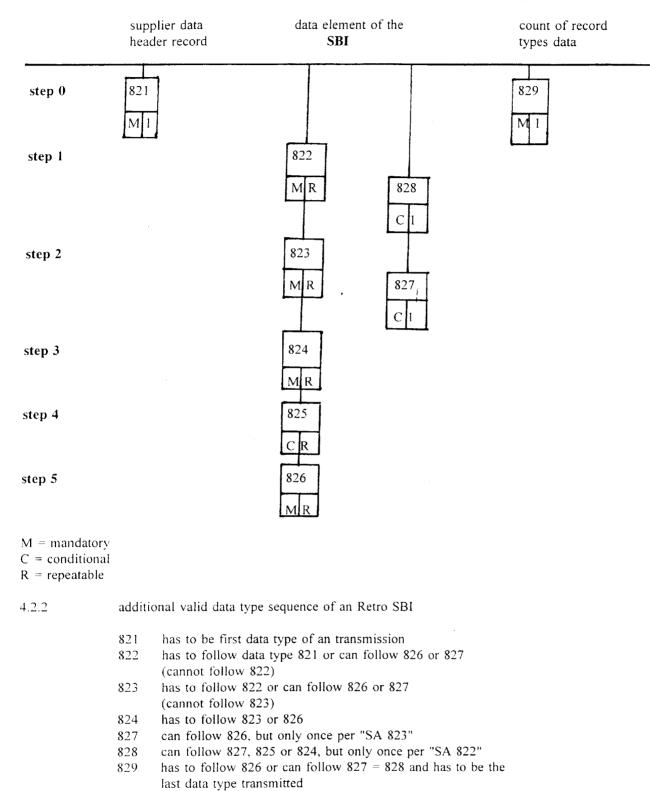
4.1 valid data types

- 4.1.1 valid data types SBI (the SBI-key for data type 822 is '0')
 - 821 = supplier data header record
 - 822 = unique data elements of the SBI
 - 823 = unique data elements of the delivery documents
 - 824 = standing data of the delivery document
 - 825 = reductions/surcharges related positions
 - 827 = national demands
 - 828 = complementary currency specifications
 - 829 = count of record types data
- 4.1.2 valid data types Retro SBI (the SBI-key for data type 822 is '1')
 - 821 = supplier data header record
 - 822 = unique data elements of the SBI
 - 823 = unique data elements of the delivery documents
 - 824 = standing data of the delivery document
 - 825 = reductions/surcharges related positions
 - 826 = complementary standing data of an retroactive payment SBI
 - 827 = national demands
 - 828 = complementary currency specifications
 - 829 = count of record types data
- 4.1.3 valid data types for unvalued receivings (the SBI-key for data type 822 is '2')
 - 821 = supplier data header record
 - 822 = unique data elements of the SBI
 - 823 = unique data elements of the delivery documents
 - 824 = standing data of the delivery document
 - 829 count of record types data

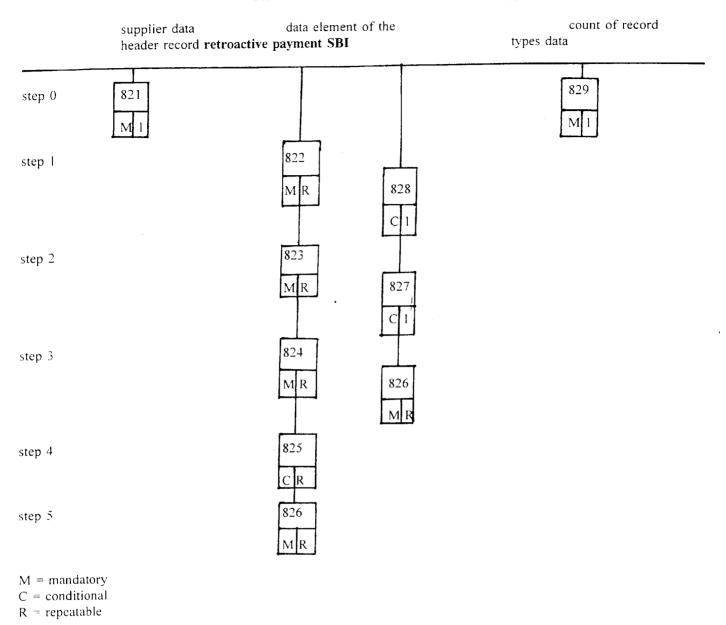
4.2 valid data type sequence

- 4.2.1 valid data type sequence SBI
 - has to be first data type of the transmission
 - has to follow data type 821 or can follow 824, 825 or 827 (cannot follow data type 822)
 - has to follow 822 or can follow 824, 825 or 827 (cannot follow data type 823)
 - has to follow 823 or can follow 824 or 825
 - 825 can follow 824 or 825
 - 827 can follow 824 or 825, but only once per "SA 823"
 - 828 can follow 827, 825 or 824, but only once per "SA 822"
 - has to follo 824 or 825 or can follow 827 + 828 and has to be the last data type of transmission

Flowchart of an authorized series of data types:



Flowchart of an authorized series of data types:



4.3 check of correct version number

The version numbers of each data type of the data sender and the data receiver have to be the same. If the change of a version number is necessary it has to be adjusted between the EDI-participants and worked into the corresponding programtest conditions with permission of the VDA working group "Vordruck-wesen/Datenaustausch" before the first run of this changed part.

4.4 general formal check

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All data fields of an data type have to meet formal demands.

Numeric defined fields have to be treated as unpacked decimal and filled out right justified with leading zeros, the fields are not in use, they have to be filled out with zeros.

Alpha-numeric defined fields have to be filled out with blanks if they are not in use.

4.5 general logical check

Single tests from variant data types will be selected to ensure that the correct receiver will receive the correct file

4.5.1 data type 821

4.5.1.1 customer/supplier code

The connection of supplier code and customer code used by the sender have to match the codes of the receiver.

4.5.1.2 transmission number OLD/NEW

The transmission number OLD has to match the transmission number NEW of the previous EDI. The transmission number OLD for the first transmission is = 00000.

4.5.1.3 VAT-ID

The used connection of identification code for turnover tax for the sender and the receiver have to be the same a the sender and the receiver.

4.5.2 data type 829

The summaries of payments und turnover tax have to match the summaries from data type 822. If an error is found during the previous tests, the complete EDI has to be repeated until the file is correct.

programme test/record retention 5.

format check 5.1

- valid data types
- valid series of data types
- valid field types (A/N)
- valid kinds of processing (SBI or retroactive payment SBI)
- valid version number (released-stand)

check of contents 5.2

- EDI number OLD/NEW
- valid customer code
- valid supplier code
- valid turnover tax identification code customer
- valid turnover tax identification code supplier
- check of summaries:

turnover tax, SBI-summary and cash discount for data type 829 with the single items of all sets of data type

If an error is found, the sender has to be informed immediately. After the correction a new, complete transmission of the file is required.

comparison with supplier internal data 5.3

All received data files have to be extended with the following arranging notions for the subsequently processing by machine:

- customer code
- supplier code
- plant number
- SBI number
- SBI date
- number of the delivery document
- date of the delivery document

reason: sortfield for following programs

The files existing at the supplier can be matched by machine with this file, e.g. delivery document files. Matching and so existing sets will be marked, so that these files will not be searched during the next comparing run. Mismatching sets of file "VDA 4908" will be printed and have to be handled separatly by the supplier (sales department/financial accounts)

Following differences are possible:

	Inhouse-file supplier	VDA 4908 customer
receipt not found	-	X
delivery is missing	X	-
price differs	X	x
quantity differs	X	x
number of the item differs	X	x
other differings	X	X

5.4 data process in financial accounting/accounts receivable

After matching the files, the referring charge account of the customer can be extended with e.g. SBI number if th sets are matching. Because of the given SBI number on the payment notion, the unpaid item can be charged b machine.

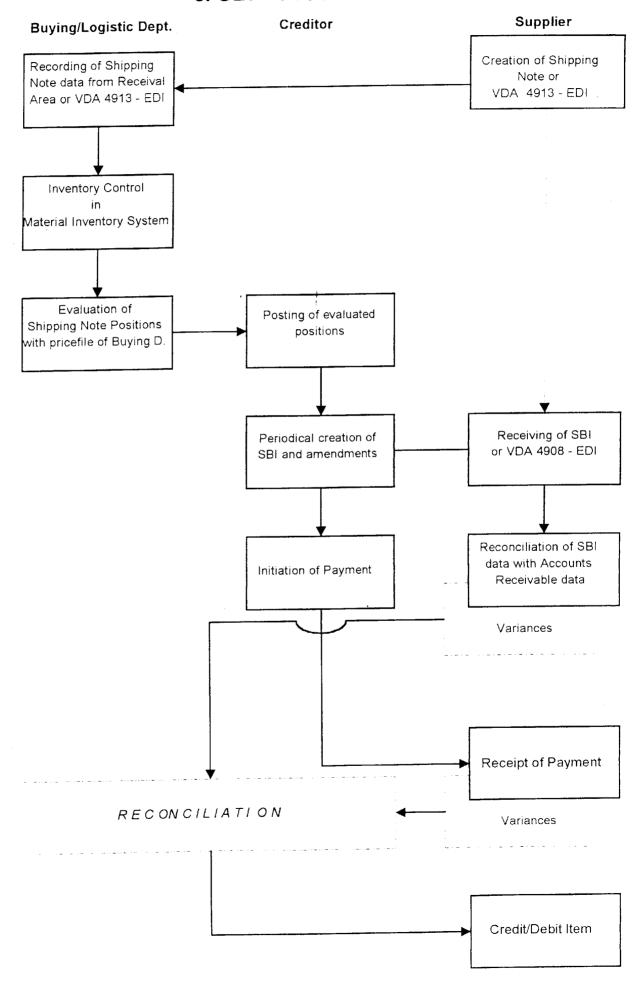
5.5 interface to remittance advice VDA standard 4907

If the EDI note "Zahlungsavis-DFÜ nach VDA 4907" is used, a connection to the SBI-data can be made by machine. Therefore the XXX has to be considered. The SBI number corresponding can be found in the field "Belegnummer".

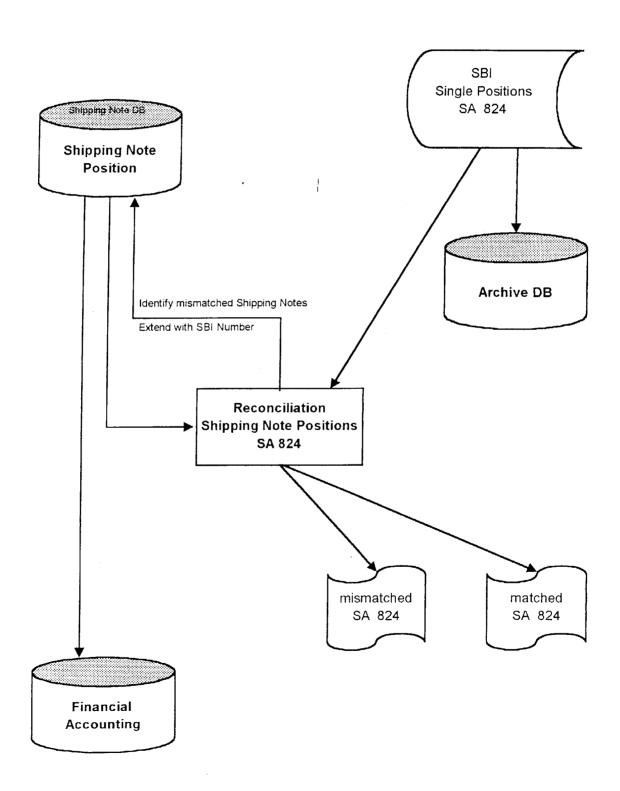
5.6 record retention period

The SBI data have to be filed according to the filing dues and filing periods of the trading and the tax laws (§ 14' III of the "Abgabenordnung").

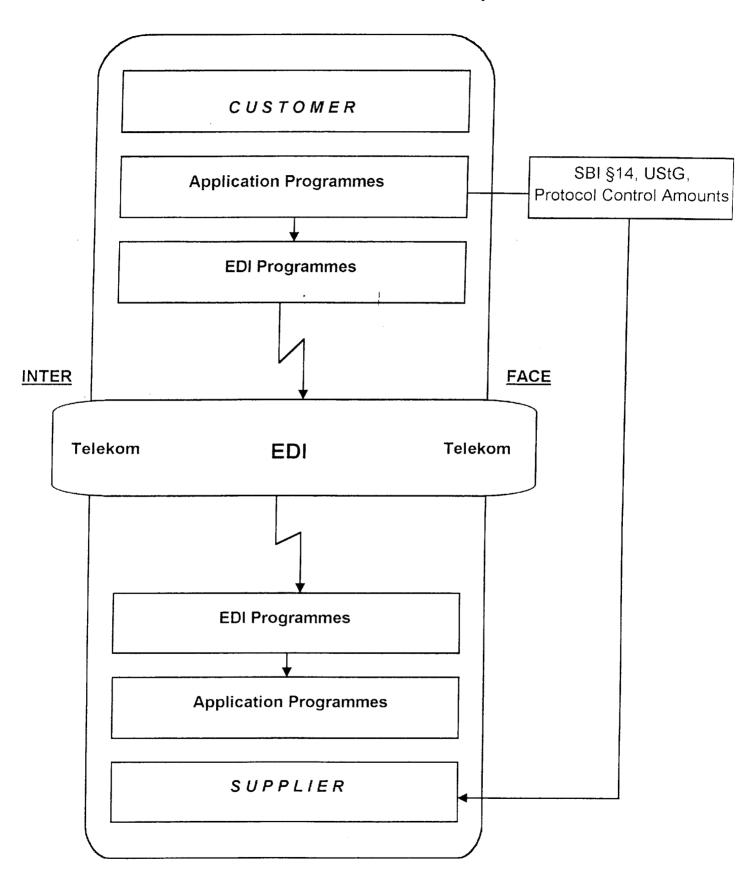
6. SBI - Procedure



6.1. Recommendation for proceeding for receiving of data



6.2. Flow of data and receipts



description of structure for data type "821", mandatory data type, data type length 128, supplier data header record, version 03

pos.	data element	c lg m by		from- to	verbal description
01	data type	m 3	n	1-3	consistently "821"
02	version number	m 2	n	4-5	identification for data type actuality. Is kept by the VDA-AKV completely and separately for each data type and after bein changed counted up one. Valid: 01-99
03	customer code	m 9	a	6-14	identification number, which is given to the customer by the supplier. All data belonging to a data type strucure, which contains the customer code, has to be protected. Fill in let justified. If there are no information existing when starting the procedure, the field has to filled out with blanks.
04	supplier code	m 9	a	15-23	identification number which is given to the supplier by the customer. All data belonging to a data type structure, which contains the supplier code, has to be protected. Fill in left justified.
05	transmission number old	m 5	n	24-28	for description look at transmission number new. Fill in right justified with leading zeros.
06	transmission number new	m 5	n	29-33	during a procedure the data producer places a transmission number for each EDI-run. The number "00000" is not allowed in transmission number new. Data producer and receiver keep this number until the next EDI-run of the same kind. Because the data producer also names the number of the last EDI-run (transmission number old), the receiver has control of completeness of EDI

in is on runs. It is not necessary to have complete sequences of numbers. Fill in right justified with leading zeros. Examples for entries in the fields transmission number old/new:

proceedings	number old	number new
start:	00000	00001
or	00000	00017
routine:	00019	00020
or	88051	88061
overrun:	99999	00001
or	89361	00011

c = conditional m = mandatory a = alphanumeric n = numeric

continuation of attachement 1

pos.	data element	c lg a from m byt n to	- verbal description
07	transmission date	m 6 n 34-39	in the form: yymmdd
08	Vat-identification number receiver	c 20 a 40-59	identification number of the national tax office of the receiver. Mandatory data type for deliveries inside the european community. Fill in left justified.
09	Vat-identification number sender	c 20 a 60-79	identification number of the national tax office of the sender. Mandatory data type for deliveries inside the european community. Fill in left justified.
10	Comp. reg. number	c 3 5 a 80-10	4 identification number of the national commercial register of the supplier. In a variety of european countries (e.g. Spain and Belgium), indicating this number is stipulated.
1.1	emtpty	m 24 a 105-13	28 filled with blanks.

c = conditional m = mandatorya = alphanumeric n = numeric

description of structure of data type "822", mandatory data type, data type length 128 byte, single data elements of the SBI, version 03

pos.	data element		lg byt		from- to	verbal description
01	data type	m	3	n	1-3	consistently "822"
02	version number	m	2	n	4-5	indicating the actuality of a data type. The VDA-AKVD is charge of keeping it separately, completely and ascending. number increases by one after each by the VDA-AKVD agreechange. Valid: 01-99.
03	SBI number	m	8	a	6-13	identification number which the customer assigns to an S produced by the customer. Fill in right justified with leadi zeros.
04	SBI date	m	6	n	14-19	in the form: yymmdd
05	payment due date	m	6	n	20-25	in the form: yymmdd
06	surcharges/discounts	c	13	n	26-38	Sum of all surcharges/discounts of the SBI. Addition of the surcharges/discounts of 823/06. Fill in right justified with leading zeros. Two decimal places.
07	prefix key	m	i i	n .	39	coded form, look at attachement 10, pos. 01. Because charging fields are also presented in character form possibly the mathematical prefix has to be given separatel straight after the charging field. The prefix is depending on th field content "Sum surcharges/discounts", e.g. prefix key "2" = debit of the supplier.
08	Sum sales discount	m l	3 r	1 4	10-52	Sum of all sales discounts for the SBI. Addition of the sale discounts amounts of 823/08. Fill in right justified with leadin zeros. Two decimal places.
09	Sum Vat amount	m 1	3 n	. 5		Sum of all Vat amounts of the SBI. Addition of the Vat amount of 823/09. Fill in right justified with leading zeros. Two decima places. Is the SBI key according to pos. 14 = "2", the field will be filled completely with zeros.

c = conditional m = mandatory a = alphanumeric n = numeric

continuation of attachement 2

pos.	data element		lg byt		from-	verbal description
10	total SBI amount (without discount)	m	13	n	66-78	Sum of all totals of each position on SBI, of shipment and packaging cost and the responding VAT amount. The sums of the totals of all shipping notes from 823/10. Fill in right justified with leading zeros and two decimal places. If SBI type key is "2" according to pos. 14, the field will be filled with zeros completely.
11	prefix key	m	1	n	79	coded form, see attachment 9, pos. 01. As the charging fields are also shown in character form, the mathematical prefix - if required - has to be indicated directly behind the charging field. The prefix is dependant on the content of the "SBI total" field, e.g. prefix key "2" = supplier's debit.
12	currency	m	3	a	80-82	coded form, according to ISO 4217/1978 alpha-numerical, see attachment 9, pos. 02. This application uses the same key for each EDI-file.
13	shipment identification	С	14	a	83-96	identification of shipments that are included in SBI. This information is mandatory, if the supplier and the customer are located in GB. Left justified.
14	SBI type key	m	1	n	97	SBI type key, see attachment 10, pos. 01.
15	country code	С	3	a	98-100	coded form of supplier country, according to ISO 427/1978 alphanumerical, see attachment 9, pos. 09.
16	accounts payable book number	с	8	n	101-10	98
17	not used	m	20	a	109-12	8

c = conditional m = mandatory a = alphanumeric n = numeric

description of structure for data type "823", mandatory data type, data type lenght 128, single data elements of the delivery document, version 03

pos.	data element		lg byt		from- to	verbal description
01	data type	m	3	n	1-3	consistently "823"
02 -	version number	m	2	n	4-5	identification for data type actuality. Is kept by the VDA-AKV completely and separately for each data type and after being changed counted up one. Valid: 01-99
03	delivery document number	m	8	a	6-13	identification number, which is given to the delivery document the supplier. For missing delivery documents the identification number of the customer (substitute delivery document) is use Fill in right justified.
04	plant customer	m	3	a	14-16	the plant of the customer, where the shipment went to. Code form of the customer. Fill in left justified.
05	shipment date	m	6	n	17-22	in the form: yymmdd
	sum surcharges/ discounts	С	13	n	23-35	sum of all surcharges/discounts for the delivery document. Addition of the surcharges/discounts of 825/04. Fill in rigl justified with leading zeros. Two decimal places.
07	prefix key	m	1	n	36	coded form, look at attachement 10, pos. 01. Because charging fields are also presented in character form possibly the mathematical prefix has to be given separatel straight after the charging field. The prefix is depending on th field content "Summary surcharges/discounts", e.g. prefix key "2" = debit of the supplier.
08	sales discount amount	m	13	n	37-49	sum of all sales discounts of the delivery document. Addition of the sales discount amounts of 824/12, fill in right justified with leading zeros. Two decimal places.
09	Vat amount	m	13	n	50-62	sum of all Vat amounts of the delivery document. Addition of th Vat amounts of 824/12. Fill in right justified with leading zeros Two decimal places.
	total amount per delivery document without discounts	m	13	n	63-75	Sum of the total amounts of all position on the del. doc., the cost of transport and package of 824/09 and the referring Vat o 824/14. Fill in right justified with leading zeros. Two decima places.

c = conditional m = mandatorya = alphanumeric n = numeric

continuation of attachement 3

c = conditional m = mandatory a = alphanumeric n = numeric

pos.	data element	c lg a from- verbal description m byt n to
11	prefix key	m 1 n 76 coded form, look at attachement 10, pos. 01. Because charging fields are also presented in character possibly the mathematical prefix has to be given sepa straight after the charging field. The prefix is depending of field content "Summary surcharges/discounts", e.g. prefix key "2" = debit of the supplier.
12	purchase order number	c 12 a 77-88 identification number which the customer assigns to the order in left justified.
13	receiving location	c 5 a 89-93 indicates the location of the customer plant, where the deli
14	booking number	c 8 a 94-101 connection between booking and recording by the customer. in left justified.
15	receiving date	c 6 n 102-107 in the form: yymmdd Here it is also valid as credit date, debit date and so on
16	contact	c 15 a 108-122 possible contents are e.g. mailing symbol or phone number. in left justified.
17	empty	m 6 a 123-128 filled with blanks.

Attachement 4

description of structure for data type "824", mandatory data type, item related data of the delivery document, version 03

pos.	data element		lg byt		from- to	verbal description
01	data type	m	3	n	1-3	consistently "824"
02	version number	m	2	n	4-5	identification for data type actuality. Is kept by the VDA-AKV completely and separately for each data type and after being changed counted up one. Valid: 01-99
03	process key	m	2	וו	6-7	account key, look at attachement 10, pos. 04
04	partnumber customer	m	22	a	8-29	identification number which the customer assigns to an article other services. Fill in left justified.
05	delivery quantity	m	13	n	30-42	quantity named on the del. doc. by the supplier. Fill in rig justified with leading zeros. Two decimal places.
06	unit of quantity	m	3	a	43-45	coded form, according to DIN 16 559/ISO 7372, go to attachment 9, pos. 05
07	price unit	m	2	n	46-47	coded form, go to attachment 10, pos. 06
08	price per unit	m	13	n	48-60	net-price according to price unit 824/07 wtihout Vat. Fill in rigit justified with leading zeros. Two decimal places.
	total price including surcharges/discounts	m	13	n	61-73	product of delivery quantity of 824/05 and price per unit of 824/08 plus surcharges/discounts of 825/04 without Vat for SE key = 0 or product of delivery quantity of 824/05 and different amount of 826/06 for SBI key = 1. Fill in right justified wit leading zeros. Two decimal places.
10	prefix key	m	1	n	74	coded form, look at attachement 10, pos. 01. Because charging fields are also presented in character form possibly the mathematical prefix has to be given separatel straight after the charging field. The prefix is depending on th field content "Sum surcharges/discounts", e.g. prefix key "2" = debit of the supplier.
11	sales discount percentage	С	3	n	75-77	the customer names the agreed sales discount percentage. Two

decimal places.

c = conditional m = mandatory a = alphanumeric n = numeric continuation of attachement 4

pos.	data element		lg byt		,	verbal description
12	sales discount amount	С	13	n	78-90	the customer names the established discount amount of 824/09. Total price of 824/09 multiplied by discount percentage divided by 100. Fill in right justified with leading zeros. Two decimal places.
13	Vat percentage	m	4	n	91-94	fill in right justified with leading zeros. Two decimal places.
14	Vat amount without sales discounts	m	13	ń	95-107	product of total price of 824/09 and Vat percentage divided by 100. Fill in right justified with leading zeros. Two decimal places.
15	test report number customer	С	14	a	108-121	identification number which is assigned to the test report by the customer. Fill in left justified.
16	empty	m	7	a	122-128	3 filled with blanks.

c = conditional m = mandatorya = alphanumeric n = numeric

description of structure for data type "825", optional data type, data type length 128, item related surcharges/discounts, version 03

pos.	data element		lg byt		from- to	verbal description
01	data type	m	3	n	1-3	consistently "825"
02	version number	m	2	n	4-5	identification for data type actuality. Is kept by the VDA-AK completely and separately for each data type and after be changed counted up one. Valid: 01-99
03	key surcharges/discounts	m	2	n	6-7	coded form, look at attachement 10, pos. 07.
04	surcharges/discounts	m	13	n	8-20	amount of surcharges/discounts for SBI key = 0 or differe surcharges/discounts "old", "new" for SBI key = 1. Fill in rijustified with leading zeros. Two decimal places.
05	prefīx key	m	1	n	21	coded form, look at attachement 10, pos. 01. Because charging fields are also presented in character for possibly the mathematical prefix has to be given separat straight after the charging field. The prefix is depending on field content "Sum surcharges/discounts", e.g. prefix key "2" = debit of the supplier.
06	empty	m	107	a	22-128	filled with blanks.

c = conditional m = mandatory

a = alphanumeric n = numeric

c = conditional m = mandatory a = alphanumeric n = numeric

description of structure for data type "826", mandatory data type, if SBI key = 1, completing positions of an Retro S version 03

pos.	data element	c lg m by		from- to	verbal description
01	data type	m 3	n	1-3	consistently "826"
02	version number	m 2	n	4-5	identification for data type actuality. Is kept by the VDA-AKV completely and separately for each data type and after bei changed counted up one. Valid: 01-99
03	price unit	m 2	n	6-7	coded form, look at attachement 10, pos. 06.
04	new price	m 13	n	8-20	new price for price unit of 824/07, which has been agreed to for partnumber customer of 824/04. Net price without Vat. Fill right justified with leading zeros. Two decimal places.
05	validation date	m 6	n	21-26	in the form: yymmdd The new price is valid with this date. The date has to be lowe than the transmission date.
06	total difference amount	m 13	n	27-39	amount between the paid total price "old" and total price "new' Fill in right justified with leading zeros. Two decimal places.
07	prefix key	m i	n	40	coded form, look at attachement 10, pos. 01. Because charging fields are also presented in character form possibly the mathematical prefix has to be given separately straight after the charging field. The prefix is depending on the field content "Sum surcharges/discounts", e.g. prefix key "2" = debit of the supplier.
08	empty	m 88	a	41-128	filled with blanks.

description of data type "827", conditional data type, data type length 128, national requirements, version 03

pos.	data element	c lg a fron m byt n to	n- verbal description
01	data type	m 3 n 1-3	consistently "827"
02	version number	m 2 n 4-5	identification for data type actuality. Is kept by the VDA-AK completely and separately for each data type and after be changed counted up one. Valid: 01-99
03	text	m 40 a 6-45	data element to cover national requirements (e.g. for Sp Belgium etc.), which have to be defined, or for bilateral agr text informations.
04	text	m 40 a 46-8	5 data element to cover national requirements (e.g. for Sp Belgium etc.), which have to be defined, or for bilateral agr text informations.
05	text	m 40 a 86-1	25 data element to cover national requirements (e.g. for Spa Belgium etc.), which have to be defined, or for bilateral agreext informations.
06	empty	m 3 a 126-	128 filled with blanks

Attachement 8

description of structure for data type "828", conditional data type, data type length 128, single data elements of the SBI, version 03

pos.	data element		lg byt		from- to	verbal description
01	data type	m			1-3	consistently "828"
02 03	version number currency		2		4-5 6-8	identification for data type actuality, here "03". according to ISO 4217/1978 rate of exchange.
04	exchange rate				9-25	fill in right justified with leading zeros. 11 decimal places.
05	exchange rate date	c	6	n	26-31	in the form: yymmdd
06	sum SBI total amount including Vat	m	13	n	32-44	sum of total amounts of all SBI positions of shipping and packaging costs plus the belonging Vat. As data type 822 pos. but with the currency according to 03.
07	sum SBI total amount	m	13	n	45-57	sum of total amounts of all SBI positions of shipping at packaging costs without Vat in the currency according to 03.
08	sum Vat amount	m	13	n	58-70	sum of all Vat amounts of the SBI. As data type 822, pos. 10. b in the currency according to 03.
09	empty	m	58	a	71-128	filled with blanks.

c = conditional m = mandatorya = alphanumeric n = numeric

description of structure of data type "829", conditional data type, data type length 128, single data elements of the SBI, version 03

pos.	data element		_	a from- n to	- verbal description
01	data type	m 3	3 1	n 1-3	consistently "829"
02	version number	m 2	, r	n 4-5	identification for data type actuality. Is kept by the VDA-AKV completely and separately for each data type and after bei changed counted up one. Valid: 01-99
03	counter data type 821	m 7	п	n 6-12	number of transmitted data types 821. Fill in right justified wi leading zeros.
04	counter data type 822	m 7		13-19	number of transmitted data types 822. Fill in right justified wi leading zeros.
05	counter data type 823	m 7		20-26	leading zeros.
06	counter data type 824	m 7		27-33	number of transmitted data types 824. Fill in right justified wit leading zeros.
07 08	counter data type 825	m 7		34-40	number of transmitted data types 825. Fill in right justified wit leading zeros.
09	counter data type 826 counter	m 7		41-47	number of transmitted data types 826. Fill in right justified wit leading zeros.
10	data type 827 counter	m 7		48-54 55-61	number of transmitted data types 827. Fill in right justified with leading zeros.
11	data type 828	m 7		62-68	number of transmitted data types 828. Fill in right justified with leading zeros.
, .	data type 829	111 /	.,	02-00	number of transmitted data types 829. Fill in right justified with leading zeros.
12	sum VAT amount	m 13	n	69-81	sum of all Vat amounts of the transmitted data types 822. Fill in right justified with leading zeros. Two decimal places.
13	total payment sum including discounts	m 13	n	82-94	total amount of all delivery documents including Vat. Fill in right justified with leading zeros. Two decimal places.
14	prefix key	m l	n	95	coded form, look at attachement 10, pos. 01. Because charging fields are also presented in character form, possibly the mathematical prefix has to be given separately straight after the charging field. The prefix is depending on the field content " total payment sum".
14	method of payment	c 1	n	96	coded form, look at att. 9, pos. 08.
15	empty	m 32	a	97-128	filled with blanks.

c = conditional m = mandatorya = alphanumeric n = numeric

Attachement 10 key register

	erial key content umber	contained in
01	prefix key 1 = positiv 2 = negativ	822/ 07 822/ 11 823/ 07 823/ 11 824/ 10 825/ 05 826/ 07
02	currency, ISO 4217/1978, e.g. DEM = german marks GBP = british pounds FRF = french francs USD = US dollars	822/ 12
03	SBI type key 0 = SBI (following data types will be transmitted: 821/822/823/824/825/827/828/829) 1 = Retro SBI (following data types will be transmitted: 821/822/823/824/827/828/829) 2 = mismatched receipts (following data types will be transmitted: 821/822/823/824/829)	822/ 14
04	booking key two digit, numeric 01-99 01 = receiving 02 = correction of receivings 03 = return shipment 04 = consigned material 05 = transport damage 99 = others	824/ 03
05	units of quantity, DIN 16559/ISO 7372, e.g. PCE = piece KGM = kilogram MTR = meter LTR = litre NPR = pair	824/ 06
06	price units $01 = \text{per} \qquad 1 \text{ unit}$ $02 = \text{per} \qquad 100 \text{ units}$ $03 = \text{per} \qquad 1000 \text{ units}$ $04 = \text{per} \text{named quantity}$	824/ 07 826/ 03

continuation of attachement 10

serial numb	• • • • • • • • • • • • • • • • • • • •	contained in
07	surcharges/discounts key 01 = packaging 02 = freight 03 = price increase bonus 99 = others	825/ 03
08	method of payment 0 = not defined yet 1 = cheque 2 = bank transfer 3 = draft 4 = cheque/draft 5 = settlement accounts receivable 6 = electronic transfer	829/ 14
09	country key, ISO 4217/1978, e.g. BE = Belgium DE = Germany ES = Spain FR = France GB = Great Britain IT = Italy NL = Netherlands PT = Portugal US = USA	822/15

7.54	VDA-AKVD Verband der Automobilindustrie e.V. Arbeitskreis Vordrucks/Detenaustausch	Organisationsgebiet Programmkreis: Datel:	VDA-DFO-Nachricht Gutschrittanzeige-DFO nach VDA 4908		fis stil ain duich berichligt am: duich :		SPEICHERBELEGUNG*	ELEGUNG* Strates	971 : 854 158 : 158	
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N VERBAND DER

Anlage 17

KONTROLL-PROTOKOLL DER DURCH DEU ÜBERSTELLTEN GUTSCHRIFTSANZEIGE-DATEN

Lieferant/Leistungsemofänger

Kunde/Leistungsersteller:

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

VORSATZ SATZART 821:

Stever-Registrier-Number

Kunde : XXXXXXXXXXX Lieferant: XXXXXXXXX

xx

Menge und handelsübliche Bezeichnung: verfügbare Information auf der Gutschriftsanzeïge der entsprechenden Übertragung.

GUTSCHRIFTSANZEIGE-POSITIONEN	DER	UBERTRAGUNG:

				_ ~~.	COUNTY .			
EA_	Gutschri	ftsanzeige	- Ubert	Figungs-	Skonto-	Netto-	14 100	•
Art	Numer	Datum		Oatum	Betrag	Betrag	MAIST—	Brutto-
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9	XXXXXXXXX	99.99.99	99999	99.99.99	29999999999 99_			
		Total pro	HMST Sa		99999999999999		9999999999 99_	9999999999 99_
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9	XXXXXXXXX	99.99.99	99999	99.99.99	99999999999,99			
9	XXXXXXXX	99.99.99	99999	99.99.99		9999999999,99	99999999999,99-	999 999999 99,99
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NACHSATZ SATZART 829 (SATZZÄHLUNG UND KONTROLLSUNHEN):

Ubertragungsübertragene Sätze

Nummer Datum 821 Vers 822 Vers 823 Vers 824 Vers 825 Vers 826 99999 99.99.99 9999999 01 9999999 01 9999999 01 9999999 01 9999999 01 9999999 01 99999 99.99.99 9999999 01 9999999 01 9999999 01 9999999 01 9999999 01 9999999 01 9999999 01

Gesamtbetrag Umsatzsteuer:

9999999999,99-

Gesamtbetrag Gutschriftsanzeigen: 99999999999999999



Gutschrift - Verfahren / Evaluated Receipt Settlement (ERS) Lieferantenanfrage / Supplier Query Form

-			-	Gutschnfta Seif Bill Inv	anzeige - Nr.: voice No.:		
					inzeige Datum : voice Date :		
				Lieferanter Supplier C	1-Nr.:		
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Mat Plan EU 3485

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1 (White Onginal)
2. (Yellow Copy)
3 (Pink Copy)
4 (Blue Copy)

Ford-Buyer/-Receiving Office ERS Coordinator Supplier acknowledgement Supplier's Copy

description for the record SBI/ Retro SBI

1. definition and objective target:

 processing of a standardized form for all supplier, which are participating the ERS system but conne participate EDI.

2. format:

- DIN-A4 landscape. Density 12 signs per inch.
- alternative application of matrix or laser printer.

3. implementation:

- application of blank paper must be possible
- adress field has to be placed so that window envelopes can be used
- bilinguality (english and german)
- page end with a summary line for SBI or delivery document amounts
- negativ signs are placed at the end of the amount

4. description for the forms:

(a) SBI

data element	ref 4908	m/c	a/n	length	verbal description
sender		m	a	8x35	sender in 8 lines
receiver		m	a	8x35	receiver in 8 lines considering local poststandards
date	822/03	m	a	10	date of the SBI in the form: dd.mm.yy
page		m	n	2	serial page number. The total amount of pages can be named additional if required
record	822/03	m	a	8	SBI number given by the customer. The country code can be given as prefix if required
supplier	821/04	m	a	9	supplier number which the customer assigns to the supplier
VAT id. customer	821/09	m	a	20	Vat number of the customer
VAT id. supplier	821/08	m	a	20	Vat number of the supplier
company reg. no.	821/10	c	a	25	national commercial register number of the supplier
currency	822/12	m	a	3	currency key according to ISO 4217
bk	824/03	m	n	2	booking key
part number customer	824/04	m	a	24	partnumber of the customer
test report	824/15	c	a	14	number of the test report given by the customer
uq	824/06	m	a	3	unit of quantity
delivered quantitiy	824/05	m	n	13	delivered quantity (3 decimal places)
pk	824/07	m	n	2	price unit key
price per unit	824/08	m	n	14	price per unit
total without tax	824/09	ım	n	15	delivered quantity x price per unit
discount%	824/11	c	n	4	cash discount percentage with one decimal place
Vat%	824/13	m	n	5	tax percentage with one decimal place
Vat amount	824/14	m	n	14	tax amount
total		m	n	15	net price + Vat amount related to the partnumber
surcharges/discounts	825/03	c	n	2+14	key of surcharges/discounts and amount of surcharges/discounts
dd	823/03	m	a	8	delivery document number

(a) SBI (continuation)

data element	ref 4908	m/c	a/n	length	verbal description
sd	823/05	m	a	8	date of sending in the form: dd.mm.yy
rd	823/15	m	a	8	receiving date in the form: dd.mm.yy
total dd discounts		c	n	14	total of all delivery documents discounts/surcharges
net total dd		m	n	15	net total of all delivery documents
Vat%	824/13	m	n	5	tax percentage with one decimal place
total dd tax	823/09	m	n	14	tax of the delivery document total
total dd	823/10	m	n	15	total of delivery documents
contact	823/16	c	a	15	your contact person of the customer
due date	822/05	c	n	10	due date in the form: dd.mm.yyyy
cash discount		m	n	14	cash discount of the delivery document total
Vat%		m	n	5	possible differing tax percentage with one decimal place
total dd tax	823/09	m	n	14	tax of delivery document total for differing tax percentage
record	822/03	m	a	8	SBI number of the customer. As prefix the ISO country key of
					be named if required
due date	822/05	c	n	10	due date in the form: dd.mm.yyyy
total SBI type		c	n	14	total of SBI for all surcharges/discounts
surcharges/discounts					<u> </u>
net total SBI types			m	n 15	net total of SBI
Vat%	824/13	m	n	5	tax percentage with one decimal place
total SBI Vat	822/09	m	n	14	tax of the SBI
total amount SBI			822/	10 m	n 15 total amount SBI
cash discount		m	n	14	total of SBI cash discount
Vat%		m	n	5	possible differing tax percentage with one decimal place
total dd Vat		823/0)9	m n	14 tax of SBI total for differing tax percentage

(b) Retro SBI

following fields/columns are differing to the SBI

data element	ref 4908	m/c	a/n	length	verbal description
price per unit old	824/08	m	n	13	price per unit old
price per unit new	826/04	m	n	13	price per unit new
difference	829/06	m	n	13	price per unit new - price per unit old
effective from	826/05	m	a	8	validation date of price per unit new in the form: dd.mm.yv
plant	823/04	c	a	3	receiving plant of the customer
gross		m	n	15	gross amount for each part number of the customer
net		m	n	15	net amount for each part number of the customer
Vat		m	n	15	tax amount for each part number of the customer
gross Retro SBI		m	n	15	gross amount per Retro SBI
net Retro SBI		m	n	15	net amount per Retro SBI
Vat Retro SBI		m	n	15	tax amount per Retro SBI