

# Automotive Consulting Solution

Vendor Consignment



# Agenda

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- 1. Benefit for the Customer**
2. Description of the Function
3. The Function in the System
4. Technical Information

# Customer Benefit

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## Solution



- Proven solutions/services of SAP Automotive Consulting
- Solutions already running productive at several customers
- Solutions and documentation are available in German and English

## Cost



- Exact calculation of implementation cost. Implementation for fixed price
- 6 months of free follow up care operations for bug corrections starting at the date of installation within the development landscape. Afterwards chargeable consulting support starts
- No additional ongoing costs (i.e. maintenance cost)

## Time



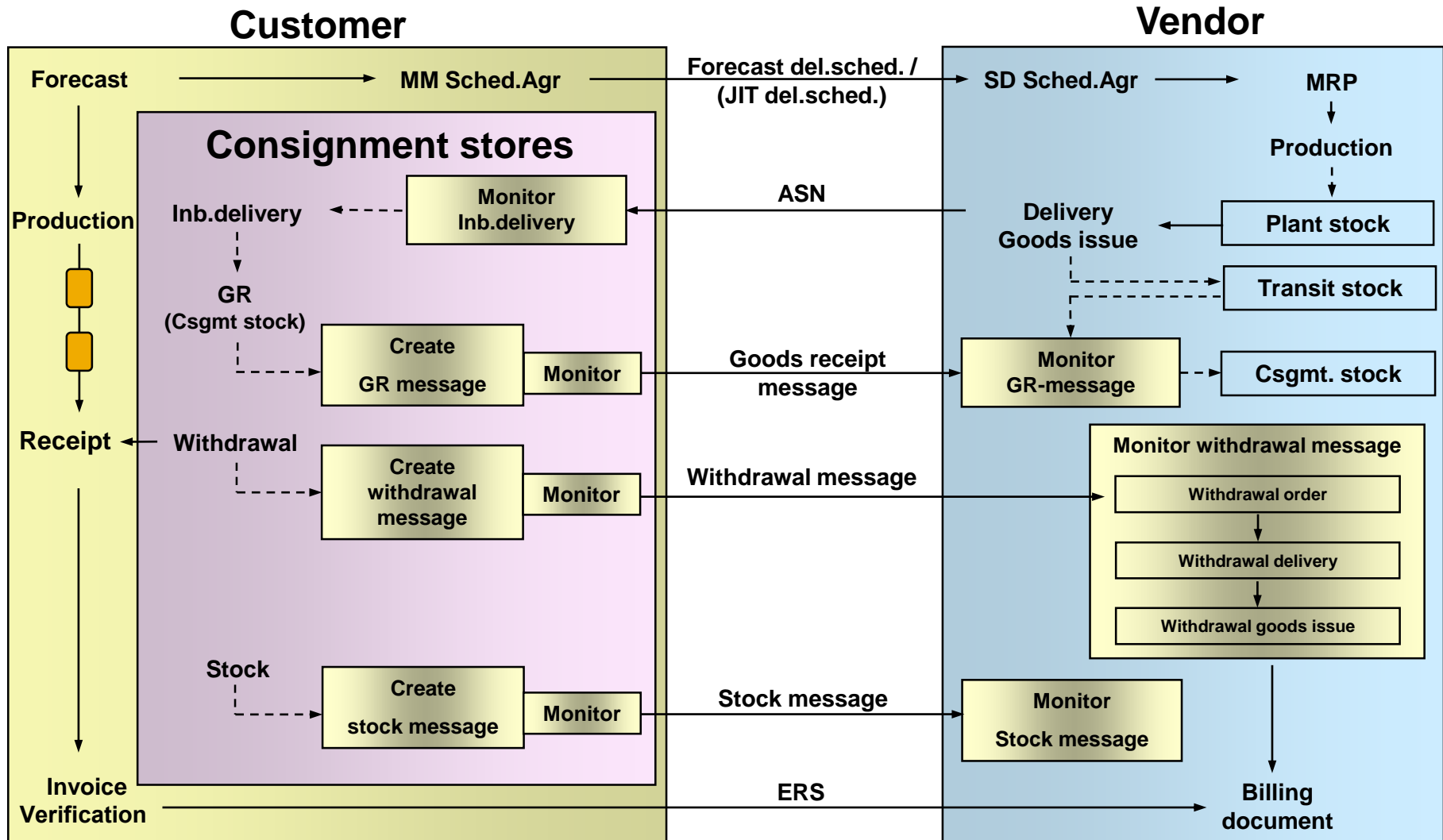
- Prompt implementation possible
- Defined timeframe for implementation

# Agenda

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1. Benefit for the Customer
- 2. Description of the Function**
3. The Function in the System
4. Technical Information

# Vendor Consignment - Process



# Motivation

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Based on the SAP standard process in vendor consignment different types of messages should be sent to the vendors. They are for example:

- Goods receipt
- Cancellation goods receipt
- Withdrawal
- Cancellation Withdrawal
- Stock

The messages could be sent via print, fax, email and EDI. As basis for the transmission, tools like aggregation profile and transmission timetable are available, which could be configured for the vendors individually. Various reports could be used as well for monitoring the process.

# Agenda

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2. Description of the Function
- 3. The Function in the System**
4. Technical Information



# Cockpit

## Vendor Consignment

- Customizing/Master data
- Application
- Reporting
  - Monitor for Withdrawals
  - Monitor for Stock

## Vendor Consignment

- Customizing/Master data
- Application
  - Consignment Message EDI
  - Consignment Message Print/FAX/Email
  - Consignment Message via Timetable
  - Consignment Settlement
- Reporting

SAP ERP

Vendor Consignment

SAP ERP

Vendor Consignment

- Customizing/Master data
  - Display Aggregation Profile
  - Display Aggregation Profile Text
  - Assignment Aggregation Profile
  - Consignment Timetable
  - Assignment Form/Plant
  - Partner Additional Data
- Application
- Reporting



# Aggregation profiles

Vendor Consignment - Aggregation Profile				
	Aggr. profile	Date	Delivery N...	Debit/credit
	001	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	010	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	011	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	100	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	101	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	110	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	111	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	NOT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Vendor Consignment - Aggregation Profile Text			
	Lan...	Ag...	Long text
	EN	001	<b>Aggregation by D/C-Key, number assigned when transmitted</b>
	EN	010	<b>Aggregation by original GR, number assigned when transmitted</b>
	EN	011	<b>Aggregation by original GR and D/C-Key, number assigned when transmitted</b>
	EN	100	<b>Aggregation by date of withdrawal, number assigned when transmitted</b>
	EN	101	<b>Aggregation by date of withdrawal and D/C-Key, number assigned when transmitted</b>
	EN	110	<b>Aggregation by date of withdrawal and original GR, number assigned when transmi</b>
	EN	111	<b>Aggregation by date of withdrawal, original GR and D/C-Key, number assigned when</b>
	EN	NOT	<b>No aggregation, 1:1-Relation between withdrawal and Aggregation</b>

# Assign Aggregation Profile to Vendor

## Assignment Aggregation Profile

Plant	Vendor	Material	Pro	Valid from	Pro	Search term	User	Date	Divry Note	D/C	Long text
5000	K1004		100			ACS	GONG	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Aggregation by date of withdrawal, number assigned when transmitted

## Display Assignment Aggregation Profile

Key fields

Plant

5000

OEM DE - Walldorf

Vendor

K1004

ACS Konsi Lieferant

Material

Aggregation

Active fr.

01.02.2006

Profile and contact person

UserID

GONG

Aggr. profile

100

Aggregation by date of withdrawal, number assigned when tran

Planned change of profile

Aggr. profile

Valid from

# Consignment Timetable

## Consignment Timetable

Plant	Vendor	Material	VDA4913/30	VDA4913/35	VDA4913/36	Monday	Tuesday	We	Thursday	Friday	Saturday	Sunday	Print	FAX	Email
5000	K1004		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### Display Consignment Timetable

**Key fields**

<b>Plant</b>	5000	<b>OEM DE - Walldorf</b>
<b>Vendor</b>	K1004	<b>ACS Konsi Lieferant</b>
<b>Material</b>		
<b>Aggr. profile</b>	100	<b>Aggregation by date of withdrawal, number assigned w</b>

**Date**

Mo <input checked="" type="checkbox"/>	Tu <input checked="" type="checkbox"/>	We <input checked="" type="checkbox"/>	Th <input checked="" type="checkbox"/>	Fr <input checked="" type="checkbox"/>	Sa <input type="checkbox"/>	So <input type="checkbox"/>	<b>Next run GR</b>	02.08.2006
--	--	--	--	--	-----------------------------	-----------------------------	--------------------	------------

<b>Medium EDI</b> <table> <tr> <td></td> <td><b>Status</b></td> </tr> <tr> <td><b>Goods receipt</b></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td><b>Withdrawal</b></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td><b>Stock</b></td> <td><input checked="" type="checkbox"/></td> </tr> </table>		<b>Status</b>	<b>Goods receipt</b>	<input checked="" type="checkbox"/>	<b>Withdrawal</b>	<input checked="" type="checkbox"/>	<b>Stock</b>	<input checked="" type="checkbox"/>	<b>Print/FAX/Email</b> <table> <tr> <td></td> <td><b>Status</b></td> </tr> <tr> <td><b>Print</b></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td><b>FAX</b></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td><b>Email</b></td> <td><input checked="" type="checkbox"/></td> </tr> </table>		<b>Status</b>	<b>Print</b>	<input checked="" type="checkbox"/>	<b>FAX</b>	<input checked="" type="checkbox"/>	<b>Email</b>	<input checked="" type="checkbox"/>
	<b>Status</b>																
<b>Goods receipt</b>	<input checked="" type="checkbox"/>																
<b>Withdrawal</b>	<input checked="" type="checkbox"/>																
<b>Stock</b>	<input checked="" type="checkbox"/>																
	<b>Status</b>																
<b>Print</b>	<input checked="" type="checkbox"/>																
<b>FAX</b>	<input checked="" type="checkbox"/>																
<b>Email</b>	<input checked="" type="checkbox"/>																

**Others**



Item with 0-stock	<input type="checkbox"/>
Item w/o movement	<input type="checkbox"/>

**Message sent**







<b>GR sent on</b>	24.02.2006
<b>Withdr. sent on</b>	19.07.2006
<b>Print/FAX/Mail on</b>	20.07.2006

# Sending Consignment Message via EDI



## Consignment Message EDI



Document data

Plant	5000	to		
Vendor		to		
Material		to		
Aggregationnumber		to		
Entry date		to		
Time	00:00:00	to	00:00:00	

Status

Transmission status	 6	to		
---------------------	---	----	--	--

Message type

Stock	<input checked="" type="checkbox"/>
Goods receipt	<input checked="" type="checkbox"/>
Withdrawal	<input checked="" type="checkbox"/>

# Example: Consignment Withdrawal - IDoc

IDoc display	
▼ IDoc 000000000036059	
Control rec.	
▼ Data records	Total number: 1
▶ E1EDK07	Segment 00001
▼ E1EDK08	Segment 00001
E1EDKA2 AG	Segment 00001
E1EDKA2 LF	Segment 00001
E1EDKA2 WK	Segment 00001
E1EDKA2 AB	Segment 00001
E1EDK06 012	Segment 00001
▼ E1EDP07	Segment 00001
E1EDP09	Segment 00001
▶ Status records	

Technical short info	
Direction	1 Outbox
Current status	30
Basic type	DESADV01
Extension	
Message type	EDLNOT
Partn.number	K1004
Partn.type	LI
Port	Z_AUTO

Content of selected segment

IDoc display	
▼ IDoc 000000000036059	
Control rec.	
▼ Data records	Total number: 1
▶ E1EDK07	Segment 00001
▼ E1EDK08	Segment 00001
E1EDKA2 AG	Segment 00001
E1EDKA2 LF	Segment 00001
E1EDKA2 WK	Segment 00001
E1EDKA2 AB	Segment 00001
E1EDK06 012	Segment 00001
▼ E1EDP07	Segment 00001
E1EDP09	Segment 00001
▶ Status records	



Technical short info	
Direction	1 Outbox
Current status	30
Basic type	DESADV01
Extension	
Message type	EDLNOT
Partn.number	K1004
Partn.type	LI
Port	Z_AUTO

Content of selected segment





Fld name	Fld cont.
VBELN	50000004
EDLKZ	36

# Sending Consignment Message via Print/FAX/Email

## Consignment Message Print/FAX/Email



**Document data**

<b>Plant</b>	5000			
<b>Vendor</b>	K1004	to		
<b>MRP controller</b>		to		
<b>Material</b>		to		
<b>Entry date</b>		to		
<input checked="" type="checkbox"/> Items with 0-stock				
<input checked="" type="checkbox"/> Items w/o movement				

**Medium**

☐ With Printer

☐ With FAX

☐ With Email

**Options**

☒ Only display

☒ Test run


**Print Parameters**

<b>Output device</b>	
<b>Optional output device</b>	

# Example: Consignment Message - Email

Cc:

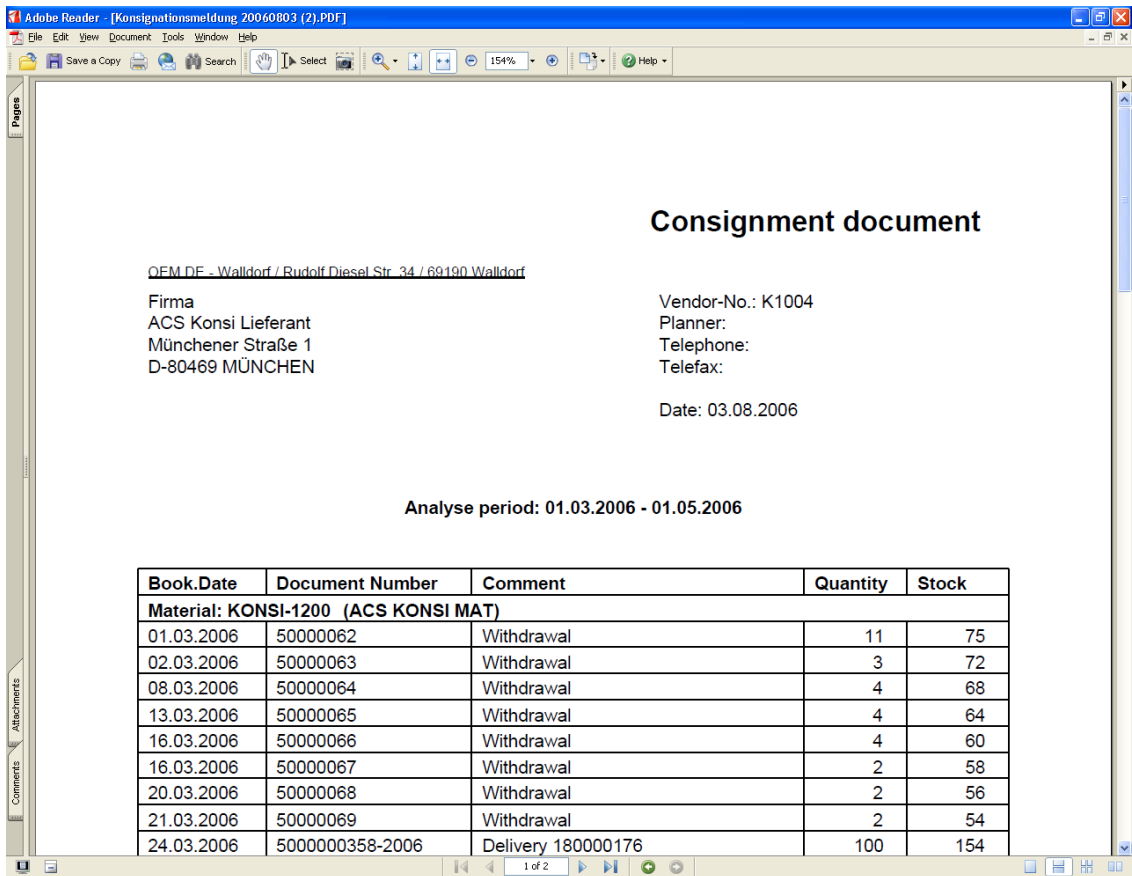
Subject: Consignment message ABS

Attachments:  Consignment message ABS 20060803.PDF (33 KB)

dear sir or madam,

.....

Best regards



**Consignment document**

OFM DE - Walldorf / Rudolf Diesel Str. 34 / 69190 Walldorf

Firma  
ACS Konsi Lieferant  
Münchener Straße 1  
D-80469 MÜNCHEN

Vendor-No.: K1004  
Planner:  
Telephone:  
Telefax:

Date: 03.08.2006

Analyse period: 01.03.2006 - 01.05.2006

Book.Date	Document Number	Comment	Quantity	Stock
<b>Material: KONSILIEFANT (ACS KONSILIEFANT)</b>				
01.03.2006	50000062	Withdrawal	11	75
02.03.2006	50000063	Withdrawal	3	72
08.03.2006	50000064	Withdrawal	4	68
13.03.2006	50000065	Withdrawal	4	64
16.03.2006	50000066	Withdrawal	4	60
16.03.2006	50000067	Withdrawal	2	58
20.03.2006	50000068	Withdrawal	2	56
21.03.2006	50000069	Withdrawal	2	54
24.03.2006	500000358-2006	Delivery 180000176	100	154



# Monitor for Withdrawals

## Monitor for Withdrawals

Selection

Plant 5000 to

Vendor  to

Material  to

Posting date  to

Entry date  to

Time of entry 00:00:00 to 24:00:00

☐ Batch

Aggregation

Fiscal year

Aggregationnumber

Monitor for Withdrawals

Goods receipt

☐ Determine Goods Receipt

Doc.No. Goods receipt

Year Goods Receipt

Delivery note number

Single Withdrawal

Doc.No. single withdrawal

Year single withdrawal

Invoice/Credit memo


Doc.No.Invoice/Credit memo

Year Invoice/Credit memo

Plant	Vendor	Material	Year	AggNo.	Withdrawal	Withdr.qty		Posting date	Entered on	Entered at	Status
5000	K1004	KONSI-1200	2006	50000062	4900001144	4,000	PC	01.03.2006	01.03.2006	13:19:27	
					4900001145	2,000	PC	01.03.2006	01.03.2006	13:19:52	
					4900001146	2,000	PC	01.03.2006	01.03.2006	13:20:06	
					4900001147	1,000	PC	01.03.2006	01.03.2006	16:31:54	
					4900001148	1,000	PC	01.03.2006	01.03.2006	16:32:12	
					4900001149	1,000	PC	01.03.2006	01.03.2006	16:32:23	
					4900001150	1,000	PC	01.03.2006	01.03.2006	16:32:38	
					4900001154	1,000	PC	01.03.2006	02.03.2006	10:50:06	
				50000062	11,000						
				50000063	4900001151	1,000	PC	02.03.2006	02.03.2006	09:59:34	
					4900001152	1,000	PC	02.03.2006	02.03.2006	09:59:56	
					4900001153	1,000	PC	02.03.2006	02.03.2006	10:00:09	
				50000063	3,000						

# Monitor for Stock

## Monitor for Stock




Selection

Plant


5000

to




Vendor

to



Material


to



☐ Batch

MRP controller

to



Key date

01.06.2006



## Monitor for Stock

Plant	Vendor	Material	Consignment Stock on 01.06.2006	Curr. Cons.Stock	Unrs.cnsgr	Goods received since 01.06.2006	Withdrawn since 01.06.2006
5000	K1004	KONSI-1200	387,000	398,000	398,000	20,000	9,000

# Consignment Settlement with Aggregation

## Consignment Settlement

Selection

Company code  to

Vendor  to

Plant  to

Material  to

Document date  to

Posting date  to

Material document  to

Aggregationnumber  to

☒ Consignment  
☒ Pipeline

### Processing

- ☒ Display  
☐ Settle

### Display options

- ☒ Withdrawals not settled  
☐ Settled withdrawals

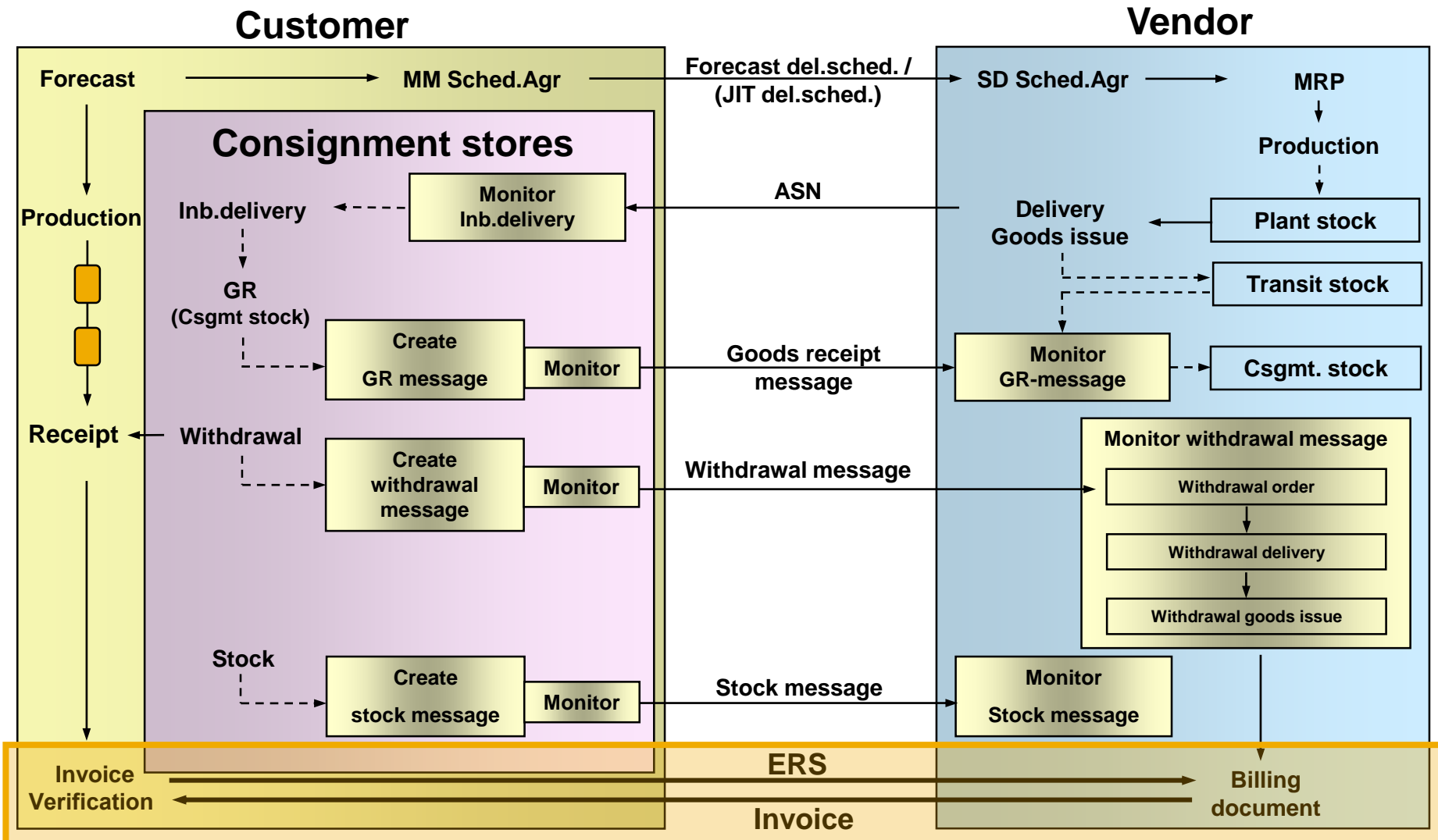
Document number  to

Variant

## Consignment Settlement

CoCd	Vendor	Mat. doc.	MatYr	Item	Doc. date	Plant	Material	Qty	withdr	Un	Amount	Curr.	Doc.no.	Year	Item	Info	Year	AggNo.
0200	K1004	4900001154	2006	1	02.03.2006	5000	KONSI-1200	1	PC		10,00	EUR				Not settled	2006	50000062
		4900001165	2006	1	21.03.2006	5000	KONSI-1200	2	PC		20,00	EUR				Not settled		50000069
		4900001170	2006	1	24.03.2006	5000	KONSI-1200	2	PC		20,00	EUR				Not settled		50000070
		4900001171	2006	1	24.03.2006	5000	KONSI-1200	1	PC		10,00	EUR				Not settled		50000070
		4900001173	2006	1	05.04.2006	5000	KONSI-1200	2	PC		20,00	EUR				Not settled		50000071
		4900001174	2006	1	05.04.2006	5000	KONSI-1200	2	PC		20,00	EUR				Not settled		50000071
		4900001175	2006	1	06.04.2006	5000	KONSI-1200	2	PC		20,00	EUR				Not settled		50000072
		4900001176	2006	1	06.04.2006	5000	KONSI-1200	3	PC		30,00	EUR				Not settled		50000072
		4900001180	2006	1	12.04.2006	5000	KONSI-1200	1	PC		10,00	EUR				Not settled		50000073
		4900001193	2006	1	02.05.2006	5000	KONSI-1200	2	PC		20,00	EUR				Not settled		50000075
								2	PC		20,00	EUR						50000075
								18	PC		180,00	EUR						

# Vendor Consignment – Process with Logistics Invoice Verification



# Motivation

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Working with the SAP ACS vendor consignment you wish to use logistics invoice verification to settle your withdrawals from consignment stock. Additionally you want to send pricing information about consignment material to your vendors using contracts or scheduling agreements.

The SAP ACS supports the following process:

- New agreement type for scheduling agreements to settle consignment withdrawals
- New report that periodically transfers consignment withdrawals into goods receipts to the ,settlement scheduling agreement'. Account for consignment payables is thereby settled
- The vendor can send an invoice with the aggregation number as reference. Logistics invoice verification can then be carried out manually or via EDI

# Consignment Settlement with Invoice Verification – Selection

**Consignment Settlement with Invoice Verification**

**Selection**

Company Code	0082	to	
Vendor	21138	to	
Plant		to	
Material		to	
Document Date		to	
Posting Date		to	
Material Document		to	
Fiscal Year		to	
Aggregationsnummer		to	
Pro-Forma SchedAgr Type	ZLPK	to	

**Processing**

☒ Display  
☐ Settle

**Display options**

☒ Withdrawals not settled  
☐ Settled withdrawals

A variant can be created for batch processing

List of vendors who send invoices for consignment withdrawals.

These vendors shall not be settled using MRKO transaction.

Agreement type of settlement SA

For immediate settlement, i.e. batch run, use 'settle'.

Display options allow selection of unsettled withdrawals only.

**The report posts a GR against the settlement scheduling agreement for each aggregation number and settles the corresponding consignment withdrawal.**

# Consignment Settlement with Invoice Verification – Settlement (1)

**Consignment Settlement with Invoice Verification**

Settle

Settle status	Vendor	Plant	Material	Year	AggNr.	Mat. Doc.	S	Amount	Crcy	D/C	SA found
■	21138	1082	A41911-101	2008	82000021	4928295820	10 PC	79,50	EUR	H	✓
■				2008	82000021	4928295820	20 PC	159,00	EUR	H	✓
■				2008	82000021	4928295820	25 PC	198,75	EUR	H	✓
							55 PC				
■				2008	82000022	4928295821	15- PC	119,25-	EUR	S	✓
							15- PC				
■				2008	82000023	4928295830	10 PC	79,50	EUR	H	✓
							10 PC				
■				2008	82000024	4928295831	10 PC	79,50	EUR	H	✓
							10 PC				
■				2008	82000025	4928295832	10 PC	79,50	EUR	H	✓
							10 PC				
■				2008	82000026	928295833	10 PC	79,50	EUR	H	✓
■				2008	82000026	928295834	10 PC	79,50	EUR	H	✓
							20 PC				
■				2008	82000027	4928295835	10 PC	79,50	EUR	H	✓
							10 PC				
▲				2008	82000028	4928295896	2 PC	15,90	EUR	H	✓
▲				2008	82000028	4928295896	1 PC	7,95	EUR	H	✓
▲				2008	82000028	4928295896	3 PC	23,85	EUR	H	✓
							6 PC				
✗				2008	82000029	4928295897	4 PC	31,80	EUR	H	□
✗				2008	82000029	4928295897	5 PC	39,75	EUR	H	□
							9 PC				

All marked items are being settled

Aggregation number and year are used as delivery note for invoice verification

Quantity of withdrawals is cumulated for each aggregation number.

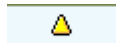
**Settle status:**



**Error: Withdrawal cannot be settled – see column ,message‘**




**Withdrawal has been successfully settled**



**Withdrawal can be settled**



# Consignment Settlement with Invoice Verification – Settlement (2)

Consignment Settlement with Invoice Verification									
									
Settle status	Purch.Doc.	Item	Price Ok	GR posted	Mat. Doc.	RKWA update	Reference	Posting Date	Message
	5500081908	10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5001198064	<input checked="" type="checkbox"/>	820000212008	17.12.2008	
	5500081908	10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
	5500081908	10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
	5500081908	10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5001198065	<input checked="" type="checkbox"/>			
	5500081908	10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5001198067	<input checked="" type="checkbox"/>			
	5500081922	10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5001198068	<input checked="" type="checkbox"/>	820000242008	17.12.2008	
	5500081922	10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5001198069	<input checked="" type="checkbox"/>			
	5500081922	10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5001198070	<input checked="" type="checkbox"/>	820000262008	17.12.2008	
	5500081922	10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5001198070	<input checked="" type="checkbox"/>		17.12.2008	
	5500081922	10	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5001198071	<input checked="" type="checkbox"/>			
	5500081922	10	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	820000282008	19.12.2008	
	5500081922	10	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>		19.12.2008	
	5500081922	10	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>		19.12.2008	
									08 Aggregation still open/not transmitted; Settlement not allowed
									08 Aggregation still open/not transmitted; Settlement not allowed

Link to settlement scheduling agreement

Check: Price of settlement SA = price in consignment info-record

Status: GR posted against settlement SA

Status: Withdrawal settled in table RKWA

Text of messages describes why a item cannot be settled or displays information or warnings.

# Agenda

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1. Benefit for the Customer
2. Description of the Function
3. The Function in the System
- 4. Technical Information**

# Technical Information

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Available for SAP ERP ECC 6.0



Activation of automotive industrialized solution in SAP ERP System necessary



Technical installation is possible remotely



Modification-free



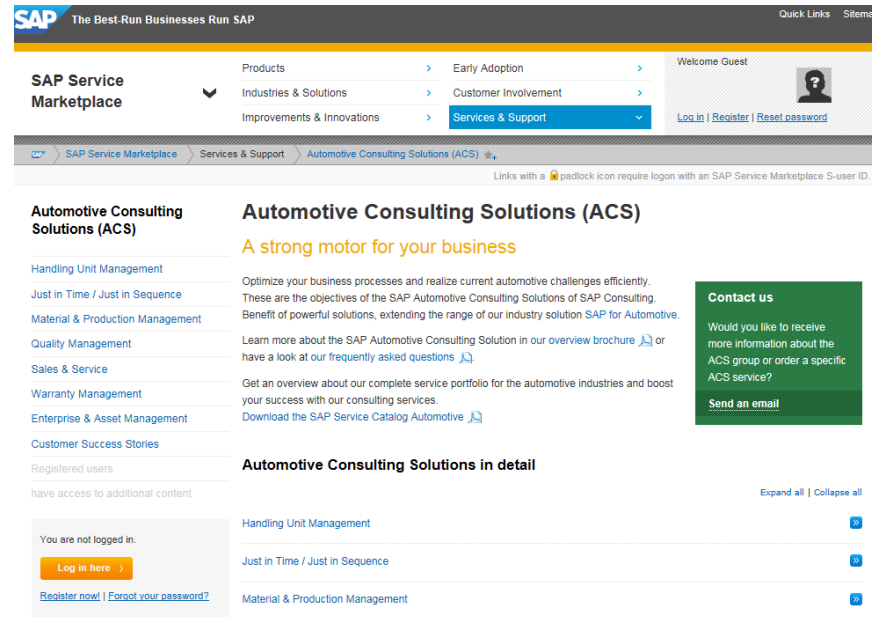
Delivery in Z-namespaces

# Source of Information

## Internet

Overview-, Detail- and Customer presentations

- <http://www.sap.com/acs>



## Email - distribution list

Signing up through [mario.rebitzer@sap.com](mailto:mario.rebitzer@sap.com)

## OSS-System

Notes (Search term: Automotive Consulting Solutions)



# Thank you!

**Mario Rebitzer**

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Industry Area Automotive

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