

How to send billing document through EDI or IDOC



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Topics covered:

- 1) What is EDI
- 2) Create a logical system
- 3) Assign the logical system to the client
- 4) Create the RFC destination with the external system information and login credential
- 5) Create RFC port
- 6) Configuration of output determination
- 7) Define Partner profile
- 8) Business process

Introduction:

In order to cash process we have different documents that we have to exchange with our customer among them there is the billing document it comes after the shipment of the product to the customer thanks to this document the customer can make the payment now the question that may come from our mind is that by what means we can send the billing document to our customer?

Of course, in SAP there are different ways to send the billing document to the customer, but one that is commonly used in the project is: EDI (Electronic Data Interchange).

And that is exactly what we are going to see today, how to send the billing document by EDI in SAP S/4HANA.

1) What is EDI

EDI means Electronic Data Interchange in SAP, EDI makes it possible to exchange business application documents with an external partner's system instead of printing them on paper.

2) Create a logical system

Tcode : SALE



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3) Assign the logical system to the client

Select the client and press display



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Changes without automatic recording	
Automatic recording of changes	
No changes allowed	
No changes allowed Changes who submatic recording, no transports allowed	
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3) Create the RFC destination with the external system information and login credential

T-code: SM59

Select ABAP connections and click on create button



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In the Target Host put the IP address of the receiver system

But for the test purpose I will use the ip address of my own system but it real time scenario you should maintain the IP address of the customer's system

	Remote Logon Connection Test Unicode Test	Fast Senalization Test 💿 More 🗸
Con	RFC Destination: 400CLSEND ection Type: 3 ABAP Connection	Description
De De	cription 1: For billing cription 2:	
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Save to Da	Target Hosti manasifhana . Tabase as	Instance No.: [17]
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	tions	Delete



After click on logon and security tab Here maintain the user id of the customer and password Click save button

RFC Desti	ation: 400CLSEND
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Description 1:	For billing
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Description 3	
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After click on connection test



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4)

Create RFC port

T-code : WE21

Select transactional RFC and click to create button

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orts	Desc	ription					
 ✓ 1⁻ Ports 							
> 🗅 Transactional RFC							
> 🗅 File							
🗅 ABAP-PI							
> 🗅 XML File							

Fill in the description and assign the RFC destination we created earlier.



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orta	Description	Port A00000020	
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- 🗂 Transactional RFC		Description: Por billing	
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		Processing Options	
		Queve processing is supported	
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		Use SAP release of receiver system in control record	
		Port Options	
		Description	Value
	_	No Initial Values for DATS, TIMS, NUMC for Alignment	
		Send Dynamic Enhancement Segments	0

Our port is : A00000020

5) Configuration of output determination

Output determination is the process to determine the "media" such as printouts, telexes, faxes, e-mails, or EDI that are sent from one business to any of its business partners.

Go to Tcode: NACE

Select Application as: V3 and press output Types.



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	Condition records Proc	edures Output types	Access sequences More ~	
Application	Description		,	
) NF	Nota fiscal			
) P1	Direct Production			
) PA	JIT Call			
C RD	DBM Automotive			
RE	DBM Puteway Manager			
RS	Automotive			
O RV	Vehicle			
O RW	DI - Warranty			
D V1	Sales			
) vz	Shipping			
• V3	Billing			
0.05	Groups			

We will use the standard EDI output type – AUS1

Double click on the output type AUS1

Dialog Structure			
VIS Output Turnet	Appik	ation: V3	
PT Mail title and texts			
Processing routines	Output Types		
Partner functions	OutputType	Name	
	AD81	DIP: Front Page	
	- AD82	DIP: Attachment	
	AES1	Autom. Export System	
	AES2	AES - Option 2	
	AES3	AES - Option 3	
	T) AES4	AES - Option 4	
	🗹 AU51	Sample - EDI	
	CMSF	CM5 Outgoing Invoice	
	C FING	Sand Link Immediat	

The transmission medium is EDI and partner function is SH- Ship to party Select processing routines



alog Structure	Without Control of Con			n
t'i Output Types	there.	1		
Mail title and texts	Output Type: AIIS1 14 Sa	mple - EDI		
Processing routines				
Partner functions	General data Default values	Time Storage system	Print Mail Sort order	
	Dispatch Time:	Send immediately (when saving t	the application)	
	Transmission Medium:	EDI		
	Partner Function:	58 Ship-to party		

So far we don't need to customise anything, we just use the standard tool provided by SAP through the program - RSNASTED, and our customer will receive the invoice document via EDI.

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			- 8
	Processing routines		Ì
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	Program: RS	SNASTED	
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	Frame		- 1

Go back to Tcode: NACE select application V3 and choose procedures



< SAP						Conditions for Outpu
6	 Condition records 	Procedures	Output types	Access sequences	More ~	
Application	Description					
) NF	Nota fiscal					
) P1	Direct Production					
O PA	JIT Call					
O RD	DBM Automotive					
O RE	DBM Putaway Manager					
O RS	Automotive					
O RV	Vehicle					
O BW	DI - Warranty					
O V1	Sales					
0 V2	Shipping					
• V3	Eliling	1				
0.1/5	Groups					

Choose the procedure V10000 and press control button $% \mathcal{A} = \mathcal{A} = \mathcal{A} + \mathcal{A}$

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	CI JOGREL	CEM invoice Int
	12 V10000	filling Output
	V30800	Invoice List
	2660EV 🗀	Item Output for Invoice List
	U V40000	Inter company billing
	200000	Billing Output HERO
	C 210000	Billing Output
	D ZZ001	Wholesale billing

Remember we already manage the standard EDI output type – AUS1

Just add it here and save



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	D 190 0	JIID			

7) Define Partner Profile

T-code: WE20

Choose Create.

Partner	Description	
Partner Profiles	Partner No.1	
> 🗅 Partner Type B	Bank Partn,Type:	
Partner Type BP	Benefits provider	
Es Partser Type GP	Business Partner Post Processing: Valid Process	ors Classification Telephony
Partner Type KU	Customer	
> 🗀 Partser Type LI	Vendor	
> 🛅 Partner Type LS	Logical system Ty.:	
) 🗁 Partner Type US	User (first 10 chara) Agent:	
	tune (d :
	Larg_:	

The partner number is the number of the customer to whom we want to send the invoice. Partner type: KU- Customer. And click to save button



And the second second	CALIFORNIA HE SALADO		
Description	Partner No.:+ 17100001	Goneratic US Customer 1	
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Select + button to fill the outbound parameters because our purpose is to send the billing document to our customer to make a payment

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This screen appears.



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Provide this information

Output Mode: select Pass IDoc Immediately Partner role:

SH- Ship to party.

Message type: INVOIC

Receiver port: A00000020

And Select Message Control tab.



Alice Alice	
Partner No.: 17109001 Domestic US Customer 1 Parts.Type: KU Customer Partner Rose:	
Message Type: INVOIC Involve/Billing Document	
Message function:	
Authound Options Message Control Post Processing: Valid Processors Telephony EDI Standard	t
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Basic type: * IWV0IC02 Invoice/Billing document Extension:	
VIEW.	
Cancel Processing After Syntax Error	





Choose + button.

	Application	۳ ب		
E	Message Type: : Process Code: :			
essage Control				
Application	Message type	Process code	Change me	

Provide this information:

Application: V3

Message type: AUS1

Process code: SD09 and save.



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Message Control				т
Application	Message type	Process code	Change me	
○ V3	AUS1	<u>5009</u>		

8) Business Process

All configuration it's done now we are ready to test our business process

Remember our purpose is that once we save the billing document the output type AUS1 is executed and send EDI with IDoc immediately

This is our invoice in VF02 T-code

< SAP	Credit for F	teturns 90000180	(RE) Change: Ov	erview of Billing Items	
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Save



7	Document 90000254 saved (no journal entry generated)
-	booment boobbeet saved (no journat entry generated).
_	

Check the output type

The status is green, which means that the output type AUS1 has been successfully executed.

Select Processing Log button

and the second	000000055								
trut	000000202								
Charles and	Description	14-10-III	2010	Destroy	1	26	Describer Area	-	-
Seasus Output .	Description	Medunit	Func	Parmer	Lang	ca	Processing date	time	Coner Hime
	and the second	and a second sec		171000001	ichi	100	000000	1449-05	Q.

Everything is green, proof that our client has received the invoice

	=	Output Processing analysis for proc. Billing Output	 	×
1	Туре	Message text		70
		Object 0090000255 Output type: Sample - EDI Processing log for program RSNASTED routine EDI_PROCESSING IDoc '0000000000206120' was added and passed for output IDoc '8000000000206120' sent to SAP system		
				1

We can display the IDoc in Tcode: WE02



< SAP	IDoc List
✓ Sove as Variant (1) More ✓	
Jefault Additional EDI	
Created At: 00:00:00 Created Om 25:03.2022 Last Changed At: 00:00 Last Changed Om	to: 23:59:59 □* to: 25:03.2022 □* to: 23:59:59 □* to: □ □*
Direction Direction 206120	tor.
Basic Type: Enhancement: Logical Memage: Message Vorlan: Message Function:	
Partner Ports	to:

IDoc is executed successfully

		1Doc Display: 000000000206120
Sa More -	2	
Doc display	Additional Information	Short Technical Information
Control Record		Direction 1 Outbox
> 🛅 Data records	Total number: 000054	Carrent Status: 03 000
🗠 🔁 Status records		Basic type: ZWV01C02
> 🖬 03	Data passed to port OK	Extension
> 1 30	Doc ready for dispatch (ALE servic	The ATP
B) 01	IDoc-created	weenage type: Involu
		Partner No.: 17100001
		Parts:Type: KU
		Port: A00000019
		Content of Selected Segment
		Fid Name Fid Cont.



THANK YOU



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