

# TECH TALKS

With Frontier  
Customer Support

Your Topics

For Your Success

## Master File Import Functionality in Frontier 4.1+

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# Importing in the past

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- Directly import never recommended
- Dependent on user
- Potential invalid / corrupt data

# Specific Programs

01

**Product Structure Maintenance** DEFAULT

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Product  Warehouse

Product	Wh	Component	Wh	Sequence	Description	Make/Buy	Qty p

**Main** **ECN**

Product:  Wh:

Component:  Wh:

Description:

Make/Buy:  Sequence:

Qty per:  IUM:

Waste %:  Mfg alt:

Mfg alt assoc:  Cost alt:

Cost alt assoc:  Balloon:

Critical:  Lead time offset:

Phantom:  User:

Maintenance

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**Product Structure Components**

Enable Tree Parent: Wh:

Component	Wh	Sequence	M/B	Qty Per

# Overview

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- Mass import database records for Master Files
- Asynchronous or Batch job
- Validate data using Frontier Master Files APIs
- Add and/or update existing records

# Master File Import Menu (MFMENU2)

```

MFMENU2                               Master File Import Menu

Select one of the following:

  * Batch Import *
10. Corporate Customer      CM1P IMP080
12. Customer Master        CMP  IMP081
14. Cust Attribute Values  C1AP IMP082
16. Product Master         PMP  IMP083
18. Prod Attribute Values  PMAP IMP084
20. Inventory Segment      ISP  IMP085
22. Extended Note         ENFP IMP086
24. Salesman               SPP  IMP089

28. Resource               RSP  IMP091
30. Product Structure      PSP  IMP092
32. Corporate Parent       CP1P IMP093
34. Location Master        LMP  IMP094

  * Parameters *
100. Master File Import Defaults MF10
102. ASYNCALL or Batch Flag  MFASync

  * Other Menus *
200. MFUI Import Async      MFMENU2P
300. MFUI Import Async 2    MFMENU2P2

OFF. Sign Off

Selection or command
====> █

F3=Exit  F4=Prompt
  
```

# Asynchronous Import Menu (MFMENU2P & MFMENU2P2)

```

MFMENU2P      Master File Import Asynchronous Menu

      * Initiate Async *
1. Corporate Customer  CM1P IMP080MI
2. Customer           CMP  IMP081MI
3. Cust Attribute Value C1AP IMP082MI
4. Product Master     PMP  IMP083MI
5. Prod Attribute Value PMAP IMP084MI
6. Inventory Segment  ISP  IMP085MI
7. Extended Note      ENFP IMP086MI
8. Salesman           SPP  IMP089MI

10. Resource          RSP  IMP091MI
11. Product Structure PSP  IMP092MI

      * Cancel Async *
101. Corporate Customer  CM1P IMP080MC
102. Customer           CMP  IMP081MC
103. Cust Attribute Value C1AP IMP082MC
104. Product Master     PMP  IMP083MC
105. Prod Attribute Value PMAP IMP084MC
106. Inventory Segment  ISP  IMP085MC
107. Extended Note      ENFP IMP086MC
108. Salesman           SPP  IMP089MC

110. Resource          RSP  IMP091MC
111. Product Structure PSP  IMP092MC

      * System Functions *
900. System Functions Menu      SYMENU
901. Display Subsystem
902. Start Subsystem
OFF. Sign Off

Selection or command
====> █

F3=Exit  F4=Prompt
  
```

```

MFMENU2P2     Master File Import Asynchronous Menu 2

      * Initiate Async *
1. Corporate Parent   CP1P IMP093MI
2. Location Master    LMP  IMP094MI

      * Cancel Async *
101. Corporate Parent   CP1P IMP093MC
102. Location Master    LMP  IMP094MC

      * System Functions *
900. System Functions Menu      SYMENU
901. Display Subsystem
902. Start Subsystem
OFF. Sign Off

Selection or command
====>

F3=Exit  F4=Prompt
  
```

# Import Process Files

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- Input files
  - **<name\_of\_masterfile>\_IMP**
  - i.e.  
PMP is the database file for Product Master Maintenance  
PMP\_IMP is the import input file for Product Master Maintenance
  - Each Master File listed in MFMENU2 has its own \_IMP file
- Import Error Log file
  - **IMPERR**
  - Any error from the batch/asynchronous job

# Import Files Process Fields

- Each \_IMP file has IST and IID suffix fields

- IST – Transaction Status
- i.e., PMIST in PMP\_IMP

- User:
  - R – ready for import
  - \* - cancel the job

- System:
  - E – error on record
  - C – import is completed

- IID – Transaction ID
- i.e., PMIID in PMP\_IMP

Display Spooled File

```

File . . . . . : LSTFD
Control . . . . . :
Find . . . . . :
* . . . . . 1 . . . . . 2 . . . . . 3 . . . . . 4 . . . . . 5 . . . . . 6 . . . . . 7 . . . . . 8 . . . . . 9 . . . . . 0 . . . . . 1 . . . . . 2 . . . . . 3
LSTFD
File: ECSDTA041R/PMP_IMP Source: PMP_IMP ECS041 File Text: PF, Product Master Import File
Format: RF$PIMP Type: P Fields: 131 Length: 1597 Format Text:
Field Length Typ From- Thru Description Ref Field Text File Text Field
PMIST 1 A 1- 1 Transaction Status RFTX01 PMP_IMP PMIST
PMIID 20 A 2- 21 Transaction ID RFTX20 PMP_IMP PMIID
PMPART 15 A 22- 36 Product number PMPART RF$ PN
PMDESC 30 A 37- 66 Description PMDESC RF$ DESC
PMALPH 6 A 67- 72 Generic field used PMALPH PMP PMALPH
for PM71 lookups
PMPCLS 2 A 73- 74 /NF PR Product class PMPCLS RF$ PCLS
PMPLIN 2 A 75- 76 /NF PL Product line PMPLIN RF$ PLIN
PMFRTC 2 A 77- 78 /NF SC Shipping category PMFRTC RF$ FRTC
used for bill of lading
PMIUM 3 A 79- 81 /NF UM Inventory unit of PMIUM RF$ IUM
measure
PMPUM 3 A 82- 84 /NF UM Purchase unit of PMPUM RF$ PUM
measure
PMPCVF 9, 4 P 85- 89 Conversion factor between PMPCVF RF$ PCVF
  
```

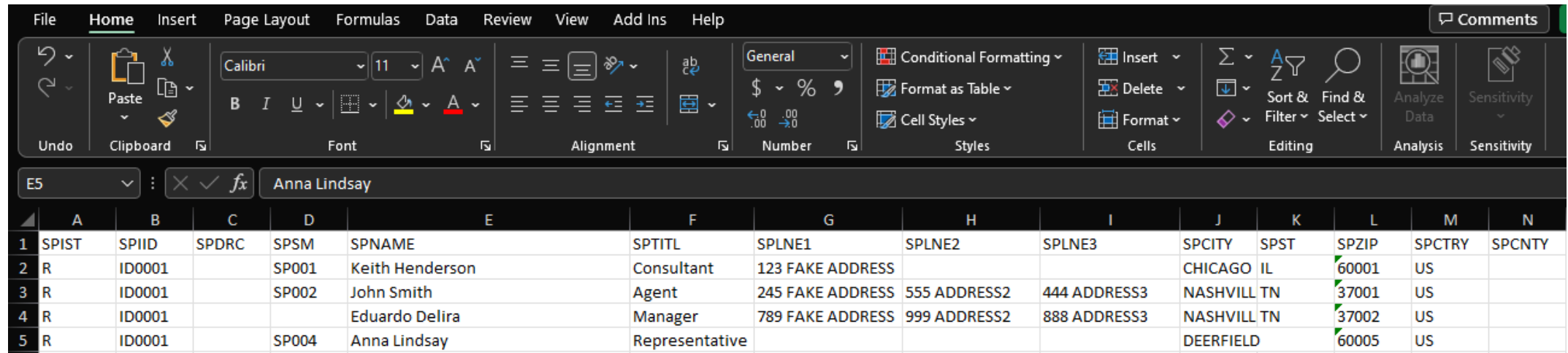
More...

F3=Exit F12=Cancel F19=Left F20=Right F24=More keys



# Populating file for Import

- SPP\_IMP in CSV format



	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	SPIST	SPIID	SPDRC	SPSM	SPNAME	SPTITL	SPLNE1	SPLNE2	SPLNE3	SPCITY	SPST	SPZIP	SPCTRY	SPCNTY
2	R	ID0001		SP001	Keith Henderson	Consultant	123 FAKE ADDRESS			CHICAGO	IL	60001	US	
3	R	ID0001		SP002	John Smith	Agent	245 FAKE ADDRESS	555 ADDRESS2	444 ADDRESS3	NASHVILL	TN	37001	US	
4	R	ID0001			Eduardo Delira	Manager	789 FAKE ADDRESS	999 ADDRESS2	888 ADDRESS3	NASHVILL	TN	37002	US	
5	R	ID0001		SP004	Anna Lindsay	Representative				DEERFIELD		60005	US	





# Data Transfer to AS400

Display Data						
						Data width . . . . . : 1218
Position to line . . . . .						Shift to column . . . . .
Trans stat	Trans ID	Rec code	Sales person	Name	Title	Cust address 1
R	ID0001		SP001	Keith Henderson	Consultant	123 FAKE ADDRE
R	ID0001		SP002	John Smith	Agent	245 FAKE ADDRE
R	ID0001			Eduardo Delira	Manager	789 FAKE ADDRE
R	ID0001		SP004	Anna Lindsay	Representative	
***** End of data *****						
						Bottom
F3=Exit    F12=Cancel    F19=Left    F20=Right    F21=Split    F22=Width 80						

# Testing Batch Import

```

MFMENU2                               Master File Import Menu

Select one of the following:
  * Batch Import *
10. Corporate Customer      CM1P IMP080
12. Customer Master        CMP  IMP081
14. Cust Attribute Values  C1AP IMP082
16. Product Master         PMP  IMP083
18. Prod Attribute Values  PMAP IMP084
20. Inventory Segment      ISP  IMP085
22. Extended Note         ENFP IMP086
24. Salesman               SPP  IMP089
26. Note                   NFP  IMP090
28. Resource               RSP  IMP091
30. Product Structure      PSP  IMP092
32. Corporate Parent       CP1P IMP093
34. Location Master        LMP  IMP094

  * Parameters *
100. Master File Import Defaults MF10
102. ASYNCALL or Batch Flag   MFASYNC

  * Other Menus *
200. MFUI Import Async       MFMENU2P
300. MFUI Import Async 2    MFMENU2P2

OFF. Sign Off

Selection or command
====> █

F3=Exit  F4=Prompt
  
```

# Edit or Update Mode

MASTER FILE IMPORT SUBMIT FLAG

Select whether the file import process will be submitted in Edit or Update mode.

Make required changes and press ENTER.

Submit Mode E (E = Edit)  
(U = Update)

F3=Submit and exit F12=Cancel

# Error Report

```

Display Spooled File
File . . . . . : QSYSPRT                               Page/Line  1/1
Control . . . . . :                                     Columns   1 - 130
Find . . . . . :
*...+...1...+...2...+...3...+...4...+...5...+...6...+...7...+...8...+...9...+...0...+...1...+...2...+...3
Program: IMP089                                FRONTIER 4.1 RLS TEST - V4.1 ECS041R
                                                SSP MASTER FILE IMPORT ERROR LOG
                                                ** EDIT **
Salesman Master File
Salesman      Trans ID      Error
ID0001       ID0001       0000000001      All parameters must be entered
SP004        ID0001       0000000002      Salesperson address is required
SP004        ID0001       0000000003      Invalid state

```

Bottom

F3=Exit F12=Cancel F19=Left F20=Right F24=More keys

# IMPERR file

Display Data												
Position to line . . . . .											Data width . . . . .	212
. . . . . 1 . . . . . 2 . . . . . 3 . . . . . 4 . . . . . 5 . . . . . 6 . . . . . 7 . . . . . 8 . . . . . 9 . . . . . 10 . . . . . 11 . . . . . 12 . . . . . 13 .											Shift to column . . . . .	
Job	Program	File	Trans ID	Seq	Time entered	Error message						
870,729	IMP089	SPP	ID0001	1	2022-03-12-11.47.59.700000	All parameters must be entered						
870,729	IMP089	SPP	ID0001	2	2022-03-12-11.47.59.724000	Salesperson address is required						
870,729	IMP089	SPP	ID0001	3	2022-03-12-11.47.59.724000	Invalid state						
***** End of data *****												
											<b>Bottom</b>	
F3=Exit    F12=Cancel    F19=Left    F20=Right    F21=Split    F22=Width 80												



# SPP\_IMP file

```

Display Data
Data width . . . . . : 1218
Position to line . . . . . 8 Shift to column . . . . .
....+....1....+....2....+....3....+....4....+....5....+....6....+....7. | +..116....+..117 + 118 + 119 + 120....+..121.
Trans Trans Rec Sales Name |
stat ID code person |
E ID0001 Eduardo Delira | 43.32.871000
***** End of data *****

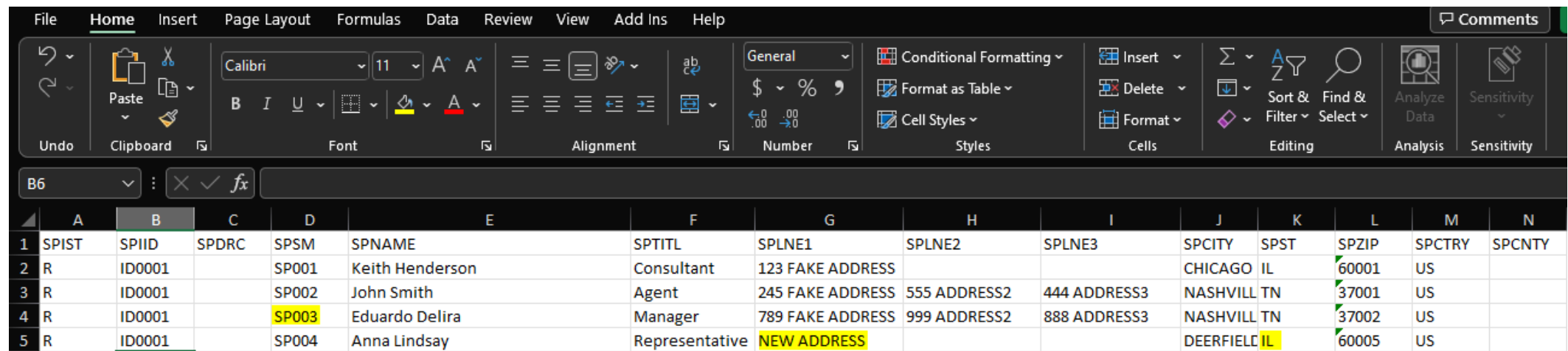
```

**Error message**  
All parameters must be entered

F3=Exit F12=Cancel F19=Left F20=Right F21=No split F22=Width 80

Bottom

# Correct \_IMP records



	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	SPIST	SPIID	SPDRC	SPSM	SPNAME	SPTITL	SPLNE1	SPLNE2	SPLNE3	SPCITY	SPST	SPZIP	SPCTRY	SPCNTY
2	R	ID0001		SP001	Keith Henderson	Consultant	123 FAKE ADDRESS			CHICAGO	IL	60001	US	
3	R	ID0001		SP002	John Smith	Agent	245 FAKE ADDRESS	555 ADDRESS2	444 ADDRESS3	NASHVILL	TN	37001	US	
4	R	ID0001		SP003	Eduardo Delira	Manager	789 FAKE ADDRESS	999 ADDRESS2	888 ADDRESS3	NASHVILL	TN	37002	US	
5	R	ID0001		SP004	Anna Lindsay	Representative	NEW ADDRESS			DEERFIELD	IL	60005	US	

# Submit Update Mode

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MASTER FILE IMPORT SUBMIT FLAG

Select whether the file import process will be submitted in Edit or Update mode.

Make required changes and press ENTER.

Submit Mode U (E = Edit)  
(U = Update)

F3=Submit and exit F12=Cancel

# No error report

```

Work with Job Spooled Files
Job:  IMP089P      User:  ECS041R      Number:  870736

Type options, press Enter.
 1=Send  2=Change  3=Hold  4=Delete  5=Display  6=Release  7=Messages
 8=Attributes  9=Work with printing status

Opt  File      Device or  User Data  Status  Total  Current  Copies
   |  QPJOBLOG  QEZJOBLOG  IMP089P   RDY     1      Page     1

Parameters for options 1, 2, 3 or command
===>
F3=Exit  F10=View 3  F11=View 2  F12=Cancel  F22=Printers  F24=More keys
Bottom
  
```

# Check \_IMP records

Display Data

Position to line . . . . . 8      Data width . . . . . : 1218  
 Shift to column . . . . .

Trans stat	Trans ID	Rec code	Sales person	Name	Title	Cust address l
C	ID0001		SP001	Keith Henderson	Consultant	123 FAKE ADDRE
C	ID0001		SP002	John Smith	Agent	245 FAKE ADDRE
C	ID0001		SP003	Eduardo Delira	Manager	789 FAKE ADDRE
C	ID0001		SP004	Anna Lindsay	Representative	NEW ADDRESS

\*\*\*\*\* End of data \*\*\*\*\*

Bottom

F3=Exit    F12=Cancel    F19=Left    F20=Right    F21=Split    F22=Width 80

# Verify SPP records

01

**Salesperson Maintenance** DEFAULT

---

Salesperson:

<input type="checkbox"/>	Salesperson	Name	Title	Address 1	Address 2
<input checked="" type="checkbox"/>	SP001	Keith Henderson	Consultant	123 FAKE ADDRESS	
<input type="checkbox"/>	SP002	John Smith	Agent	245 FAKE ADDRESS	555 ADDRESS2
<input type="checkbox"/>	SP003	Eduardo Delira	Manager	789 FAKE ADDRESS	999 ADDRESS2
<input type="checkbox"/>	SP004	Anna Lindsay	Representative	NEW ADDRESS	

Salesperson:  Name:

**Main** **Notes**

Name:  Title:

Address 1:

Address 2:

Address 3:

City:  State:

Zip Code:  Country:

County:

Phone# 1:  Phone# 2:

Fax#:

Email:  Password:

Position:

Salesperson: SP002

<input checked="" type="checkbox"/>	Salesperson	Name	Title	Address 1	Address 2
<input checked="" type="checkbox"/>	SP002	JOHN SMITH	AGENT	245 FAKE ADDRESS	555 ADDRESS2

Salesperson: SP002 Name: JOHN SMITH

**Main** **Notes**

Note 1:

Note 2:

Note 3:

Note 4:

Note 5:

Note 6:

Note 7:

# Testing Asynchronous Import

```

MFMENU2P                               Master File Import Asynchronous Menu                               3/12/22
                                                                                               12:31:35

      * Initiate Async *
1. Corporate Customer  CM1P IMP080MI
2. Customer           CMP  IMP081MI
3. Cust Attribute Value C1AP IMP082MI
4. Product Master     PMP  IMP083MI
5. Prod Attribute Value PMAP IMP084MI
6. Inventory Segment  ISP  IMP085MI
7. Extended Note     ENFP IMP086MI
8. Salesman           SPP  IMP089MI
9. Note              NFP  IMP090MI
10. Resource          RSP  IMP091MI
11. Product Structure PSP  IMP092MI

      * Cancel Async *
101. Corporate Customer CM1P IMP080MC
102. Customer           CMP  IMP081MC
103. Cust Attribute Value C1AP IMP082MC
104. Product Master     PMP  IMP083MC
105. Prod Attribute Value PMAP IMP084MC
106. Inventory Segment  ISP  IMP085MC
107. Extended Note     ENFP IMP086MC
108. Salesman           SPP  IMP089MC
109. Note              NFP  IMP090MC
110. Resource          RSP  IMP091MC
111. Product Structure PSP  IMP092MC

      * System Functions *
900. System Functions Menu  SYMENU
901. Display Subsystem
902. Start Subsystem
OFF. Sign Off

Selection or command
===> █

F3=Exit  F4=Prompt
  
```



# Async running

```

Work with Subsystem Jobs
Subsystem . . . . . : ZASYNC

Type options, press Enter.
2=Change 3=Hold 4=End 5=Work with 6=Release 7=Display message
8=Work with spooled files 13=Disconnect

Opt Job User Type -----Status----- Function
IMP089MR ECS041 BATCH ACTIVE DLY-20

Parameters or command
===>
F3=Exit F4=Prompt F5=Refresh F9=Retrieve F11=Display schedule data
F12=Cancel F17=Top F18=Bottom
  
```

Bottom

# New addition/changes

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	SPIST	SPIID	SPDRC	SPSM	SPNAME	SPTITL	SPLNE1	SPLNE2	SPLNE3	SPCITY	SPST	SPZIP	SPCTRY	SPCNTY	SPTL1
2	R	ID0002		SP001	Keith Henderson	Consultant	123 FAKE ADDRESS			CHICAGO	IL	60001	US		111-000-
3	R	ID0002		SP002	John Smith	Consultant	245 FAKE ADDRESS	555 ADDRESS2	444 ADDRESS3	NASHVILL	TN	37001	US		222-000-
4	R	ID0002		SP003	Eduardo Delira	Manager	789 FAKE ADDRESS	999 ADDRESS2	888 ADDRESS3	NASHVILL	TN	37002	US		333-000-
5	R	ID0002		SP004	Anna Montero	Representative	111 FAKE ADDRESS	APT#2		DEERFIELD	IL	60005	US		444-000-
6	R	ID0002		SP005	Jessica Nowak	Agent	222 FAKE ADDRESS			CHICAGO	ZZ	60002	US		555-000-

# Check \_IMP records

Display Data												
Position to line . . . . . <u>B</u>										Data width . . . . . : 1218		
.....+.....1.....+.....2.....+.....3.....+.....4.....+.....5.....+.....6.....+.....7.....+.....8.....+.....9.....+.....10.....+.....11.....+.....12.....+.....13.										Shift to column . . . . .		
Trans stat	Trans ID	Rec code	Sales person	Name						Title	Cust address l	
C	ID0002		SP001	Keith Henderson						Consultant	123	FAKE ADDRE
C	ID0002		SP002	John Smith						Consultant	245	FAKE ADDRE
C	ID0002		SP003	Eduardo Delira						Manager	789	FAKE ADDRE
C	ID0002		SP004	Anna Montero						Representative	111	FAKE ADDRE
<b>E</b>	ID0002		SP005	Jessica Nowak						Agent	222	FAKE ADDRE
***** End of data *****												
											<b>Bottom</b>	
F3=Exit    F12=Cancel    F19=Left    F20=Right    F21=Split    F22=Width 80												

# IMPERR file

Display Data																	
Position to line . . . . .																Data width . . . . . : 212	
.....1.....2.....3.....4.																Shift to column . . . . . 99	
Job	Program	File	Trans ID	Error message												Key field	
870,757	IMP089	SPP	ID0002	State must be associated with country												SP005	
***** End of data *****																	
																	Bottom
F3=Exit    F12=Cancel    F19=Left    F20=Right    F21=No split    F22=Width 80																	

# Correct \_IMP record

```
WORK WITH DATA IN A FILE                               Mode . . . . . : CHANGE
Format . . . . . : RF$SPIMP                             File . . . . . : SPP_IMP

*RECNBR:                                               31
Trans stat:      R
Trans ID:        ID0002
Rec code:        █
Sales person:    SP005
Name:            Jessica Nowak
Title:           Agent
Cust address line 1: 222 FAKE ADDRESS
Cust address line 2:
Cust address line 3:
City:            CHICAGO
St:              IL
Zip code:        60002
Country:         US
County:          █
Tele # for order contact person: 555-000-5555
Tele # for order contact person:

F3=Exit          F5=Refresh          F6=Select format
F9=Insert        F10=Entry           F11=Change
```

# Verify SPP records

01

**Salesperson Maintenance** DEFAULT

Salesperson:

Salesperson	Name	Title	Address 1	Address 2
<input type="checkbox"/> SP001	Keith Henderson	Consultant	123 FAKE ADDRESS	
<input type="checkbox"/> SP002	John Smith	Consultant	245 FAKE ADDRESS	555 ADDRESS2
<input type="checkbox"/> SP003	Eduardo Delira	Manager	789 FAKE ADDRESS	999 ADDRESS2
<input checked="" type="checkbox"/> SP004	Anna Montero	Representative	111 FAKE ADDRESS	APT#2
<input type="checkbox"/> SP005	Jessica Nowak	Agent	222 FAKE ADDRESS	

Salesperson:  Name:

**Main** **Notes**

Name:  Title:

Address 1:

Address 2:

Address 3:

City:  State:

Zip Code:  Country:

County:

Phone# 1:  Fax#:

Phone# 2:

Email:  Password:

Position:

# Data-area: Master File Import Defaults (MF10)

MASTER FILE IMPORT DEFAULTS		
Files	Report	Clear
Customer Master (CMP)	<u>N</u>	<u>N</u>
Corporate Customer (CM1P)	<u>N</u>	<u>N</u>
Corporate Parent (CP1P)	<u>Y</u>	<u>N</u>
Customer Attribute Values (C1AP)	<u>Y</u>	<u>N</u>
Inventory Segment (ISP)	<u>Y</u>	<u>N</u>
Location Master (LMP)	<u>Y</u>	<u>N</u>
Product Attributes Values (PMAP)	<u>N</u>	<u>N</u>
Product Master (PMP)	<u>N</u>	<u>N</u>
Extended Note (ENFP)	<u>Y</u>	<u>Y</u>
Customer Groups (C1GP)	<u>N</u>	<u>Y</u>
Product Groups (PMGP)	<u>N</u>	<u>N</u>
Salesman Master (SPP)	<u>Y</u>	<u>N</u>
Resource Master (RSP)	<u>N</u>	<u>N</u>
Product Structure (PSP)	<u>N</u>	<u>N</u>
MF10		
F3=Exit		

# Data-area: MFASYNC

---

## MASTER FILE IMPORT ASYNCALL FLAG

Use this screen to modify data area MFASYNC.

This parameter is used to indicate if the Master File Import Asynchronous tasks are started when the ASYNCALL program is called.

A blank field will default to "N".

Start Import Asyncns via ASYNCALL? N (Y or N)

F3=Exit



---

# Thank you

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[HTTPS://FRIEDMANCORP.ITCLIENTPORTAL.COM/CLIENTPORTAL/LOGIN.ASPX](https://friedmancorp.itclientportal.com/clientportal/login.aspx)

FRIEDMAN CUSTOMER SUPPORT: (847) 948 7180, EXT 7