



Customer Compliance and Workload Reduction Through EDI 846

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The
DIFFERENCE
Is **YOU**

- We are an SAP Service Partner and Value Added SAP reseller. We are headquartered in Chicago, and with satellite offices in New York City, Cleveland, Washington D.C., and Austin.
- Our team of over 85 full-time SAP professionals and our extended pool of hundreds of known contract consultants bring a proven record of success in over 75 SAP projects in the U.S., Canada, Europe and Mexico.
- Our consulting professionals are truly **Business People who know SAP** that bring the right combination of industry and SAP expertise for your SAP needs.



Annin & Co.



Annin & Co.

- World's oldest and largest flag manufacturer
- Founded in 1847
- Official Flag Manufacturer to the United Nations
- Manufactures over 10,000 different flag and flag accessories
- SAP Data:
 - Version 4.6C
 - Live since October 2003
 - SAP Modules: SD, MM, PP, FI, CO, WM
 - SAP Users: 130

Annin & Co.

- Four manufacturing facilities



Headquarters
Roseland, NJ



Coshocton, OH



South Boston, VA



Cobbs Creek, VA



Verona, NJ

Learning Points

- Solution in SAP 4.6C to send product inventory, via EDI translation 846, to EDI compliant customers
- Custom solutions do not always have to be difficult or time consuming to implement

Return on Investment

- Reduction in manual work effort
- More efficient product inventory sent to partner
- Complying with EDI partner requirements

Best Practices

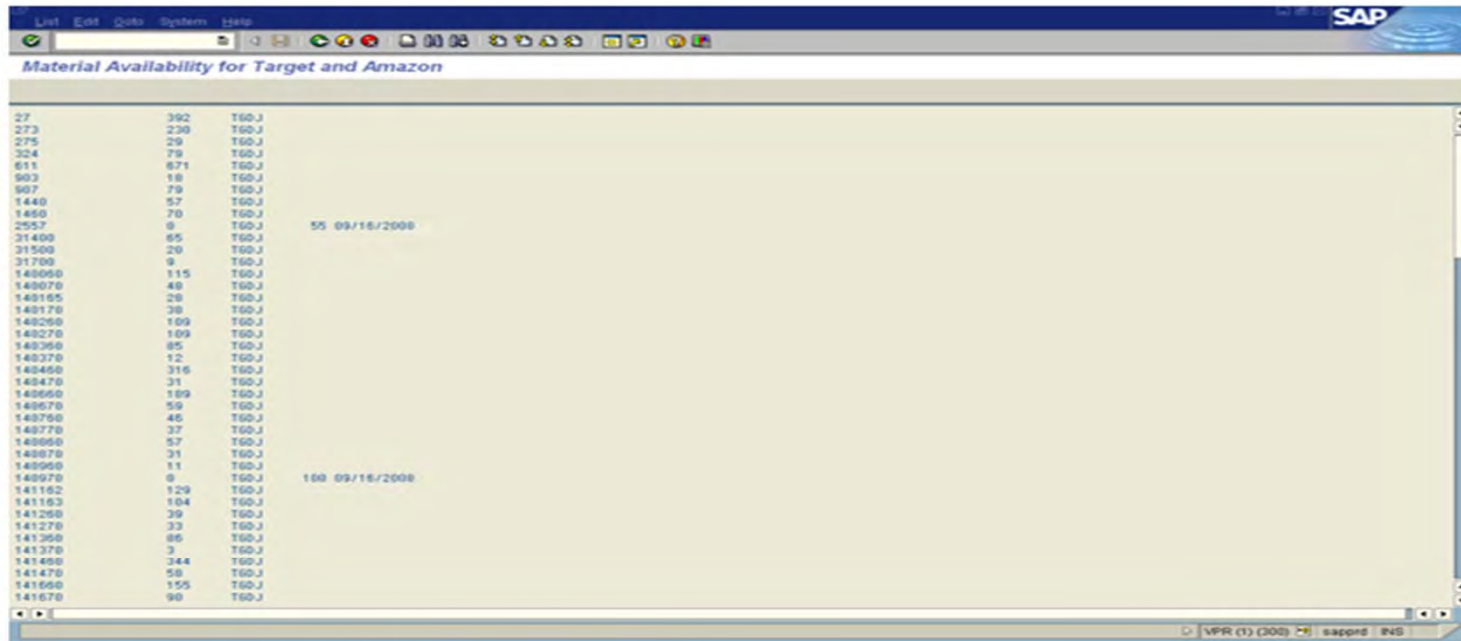
- For companies with customers requesting product inventory, an automated EDI solution is possible

Requirements

- ANSI X12 846 – Inventory Inquire/Advice
- Target required upload of product inventory available for sale for product sold on Target.com
- The old process was going to be decommissioned
- Annin & Co. was looking:
 - To reduce manual work effort by their workforce
 - For more efficient upload product inventory

Original Process

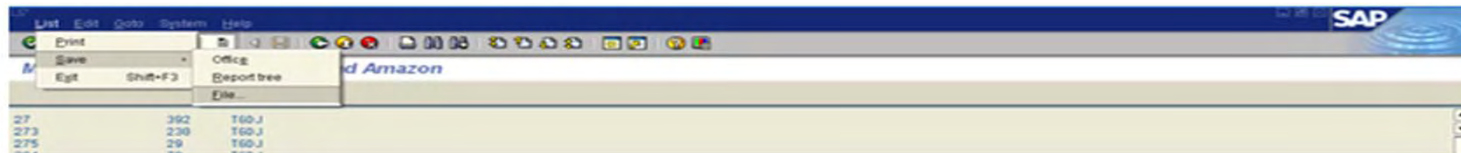
1. In SAP Type in transaction code **ZIC_BJS** to generate the report for inventory upload.
2. Press enter and the report will generate.
3. After the report appears, you need to export the report out of SAP so it can be imported into EXCEL.



The screenshot shows the SAP interface for the transaction ZIC_BJS. The title bar reads "Material Availability for Target and Amazon". The main area displays a list of materials with columns for material number, quantity, and date. The data is as follows:

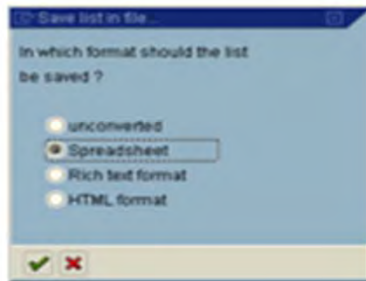
Material Number	Quantity	Date
27	392	T60J
273	230	T60J
275	29	T60J
324	79	T60J
611	671	T60J
903	18	T60J
907	79	T60J
1440	57	T60J
1460	70	T60J
2557	0	T60J
31400	85	T60J
31500	20	T60J
31700	0	T60J
140950	115	T60J
140970	40	T60J
140985	29	T60J
140170	38	T60J
140260	109	T60J
140270	109	T60J
140360	85	T60J
140370	12	T60J
140450	316	T60J
140470	31	T60J
140650	189	T60J
140670	59	T60J
140750	46	T60J
140770	37	T60J
140850	57	T60J
140870	31	T60J
140950	11	T60J
140970	0	T60J
141152	129	T60J
141163	104	T60J
141260	39	T60J
141270	33	T60J
141350	86	T60J
141370	3	T60J
141450	344	T60J
141470	58	T60J
141650	155	T60J
141670	90	T60J

4. On the top menu bar click on **LIST – SAVE – FILE**.

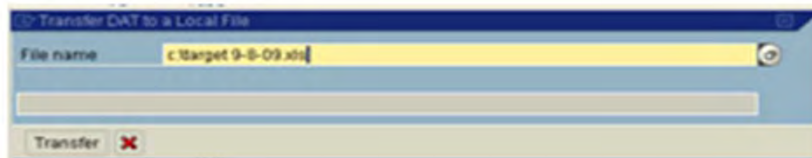


Original Process continued

5. On the next menu that appears choose **SPREADSHEET**.



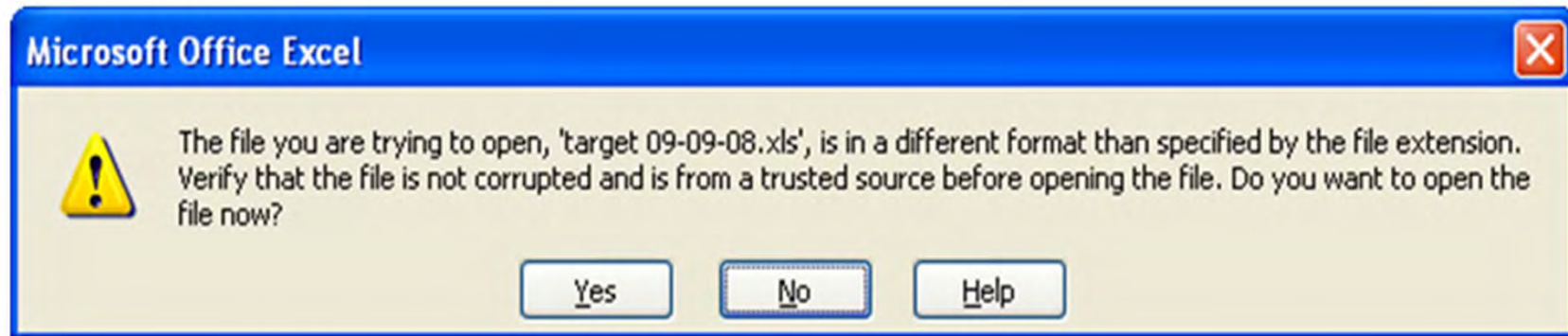
6. Click the **Green Check Box**.
7. Enter a filename to transfer the file to your local PC.



8. Use the format of the vendor name and date with an xls extension. Then click the **TRANSFER** button
9. The file will be transferred to the location that you have specified. You can create a directory on your PC if you wish to keep these files more organized.

Original Process continued

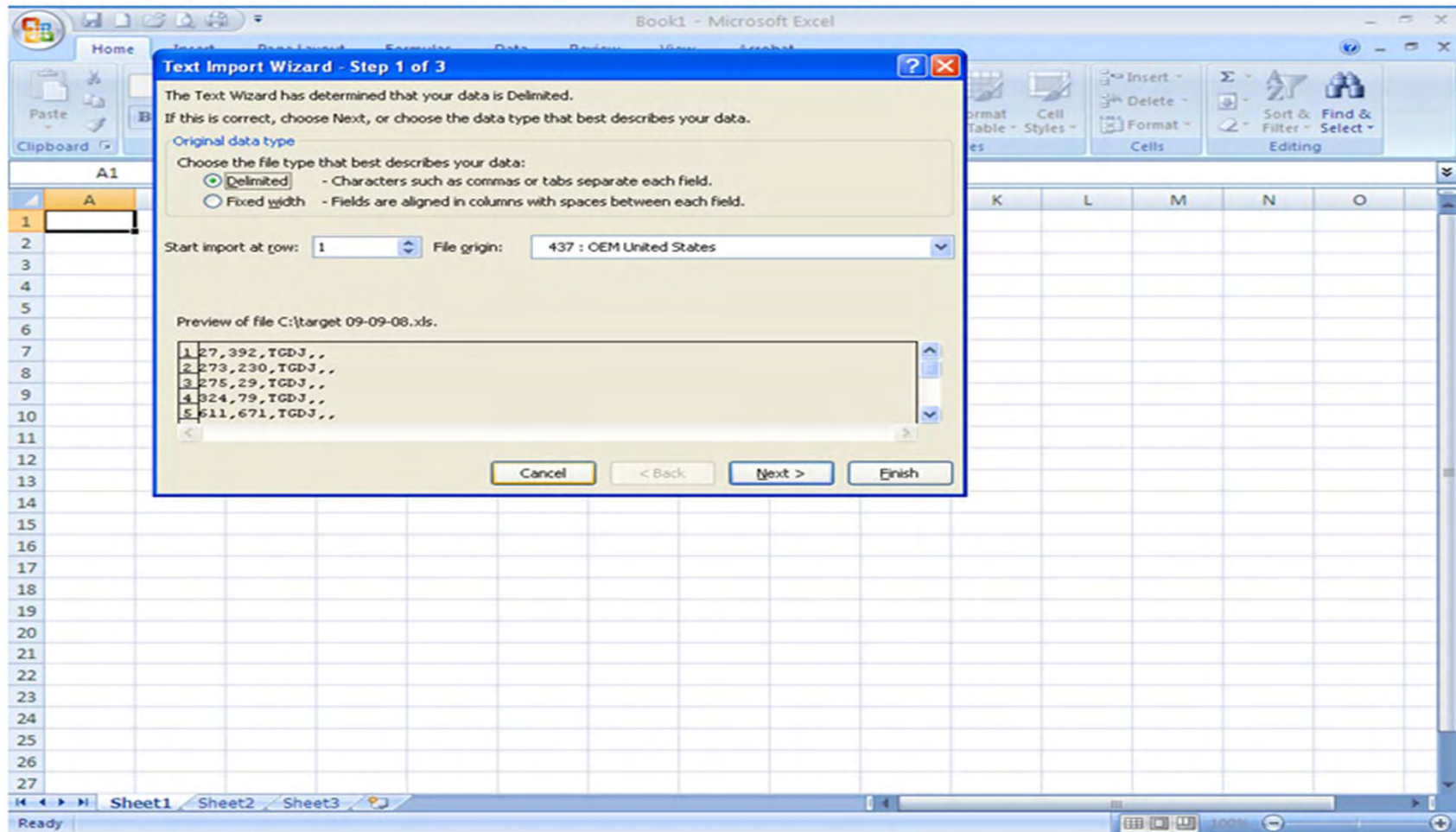
10. Start Microsoft EXCEL.
11. Click the open icon in **EXCEL** and navigate to the location where the report file is located and open the file.
12. If a warning message appears, click on **YES**.



13. The file will open in Excel.
14. The next step is to complete the import process.

Original Process continued

15. When the import wizard appears, click **FINISH** to import the file.



16. When the file opens up you now need to save it as a **Comma Separated (CSV)** file.

17. To do this click on **FILE – SAVE AS**.

Investigation

- Which IDoc type?
 - INVCON01 – stock change data for inventory control
 - PROACT01 – transfer of stock and sales data



EDI Guideline

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

Comments:

Notes: *****
 Sample ST Segment:
 ST*846*1234

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
M	ST01	143	Transaction Set Identifier Code
			M ID 3/3
			Code uniquely identifying a Transaction Set
			§46 Inventory Inquiry/Advice
M	ST02	329	Transaction Set Control Number
			M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Investigation continued

- How to get list of materials for customer?
 - Custom 'Z' table maintained through SM30
- Where to read quantity on-hand?
 - MD_STOCK_REQUIREMENTS_LIST_API

Solution

Transaction is Z_846.

The screenshot shows the SAP transaction Z_846, titled "EDI 846 Material Availability EDI". The interface includes a menu bar (Program, Edit, Goto, System, Help) and a toolbar with various icons. The main content area is divided into several sections:

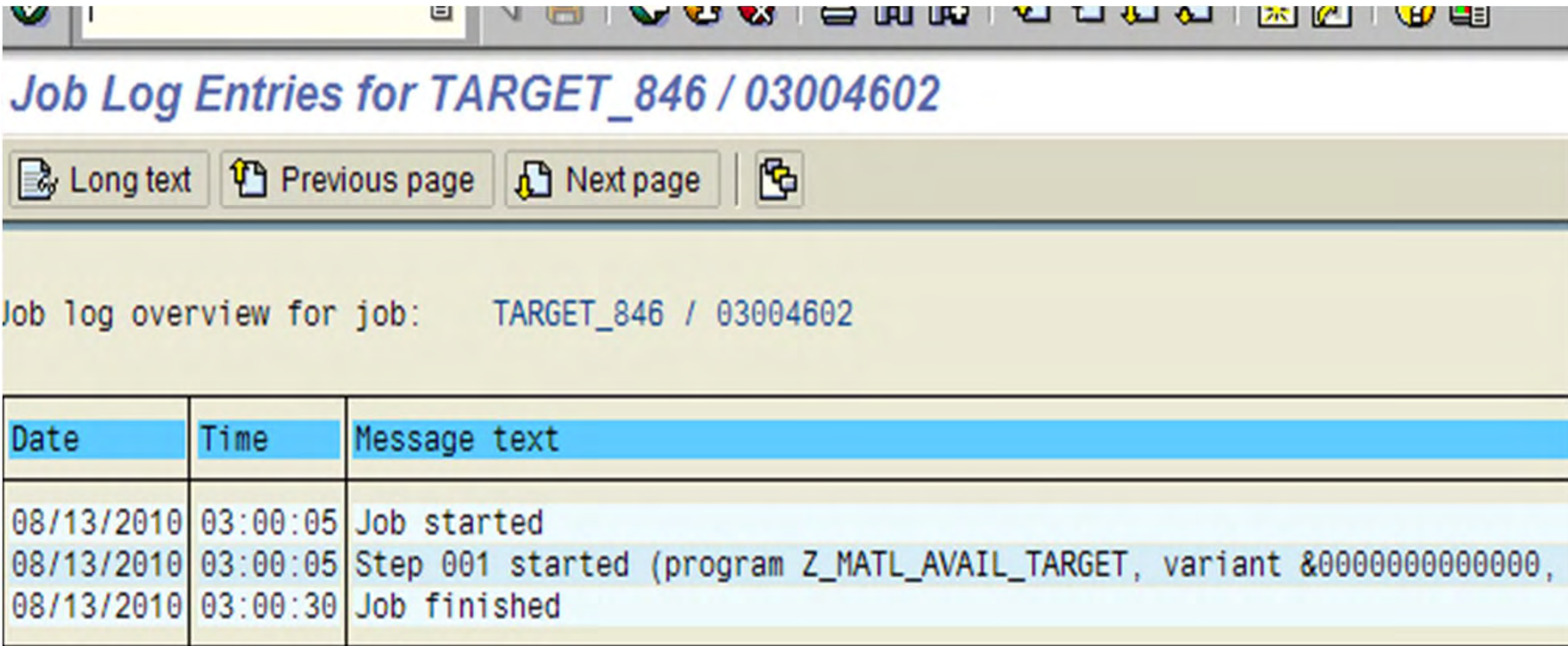
- Choose Customer For Report:** A field for "Customer/Partner" with the value "13196".
- IDoc Data:** A table with the following entries:

Message type	PROACT
Basic type	PROACT01
Receiver partn type	KU
Receiver partner no.	SAP846
- Test:** A checkbox labeled "Test no IDoc" which is currently unchecked.

Solution continued

Material	Quantity	WHs	Quantity Due	Due Date
27	236.000	TGDJ		
273	286.000	TGDJ		
275	36.000	TGDJ		
324	30.000	TGDJ		
611	418.000	TGDJ		
903	20.000	TGDJ		
907	17.000	TGDJ		
1087	23.000	TGDJ		
1090	224.000	TGDJ		
1440	103.000	TGDJ		
1460	48.000	TGDJ		
2557	78.000	TGDJ		
31400	195.000	TGDJ		
31500	24.000	TGDJ		
31700	9.000	TGDJ		
140060	75.000	TGDJ		
140070	72.000	TGDJ		
140165	144.000	TGDJ		
140170	48.000	TGDJ		
140260	176.000	TGDJ		
140270	125.000	TGDJ		
140360	1.000	TGDJ		
140370	152.000	TGDJ		
140460	284.000	TGDJ		
140470	419.000	TGDJ		
140660	94.000	TGDJ		

Solution continued



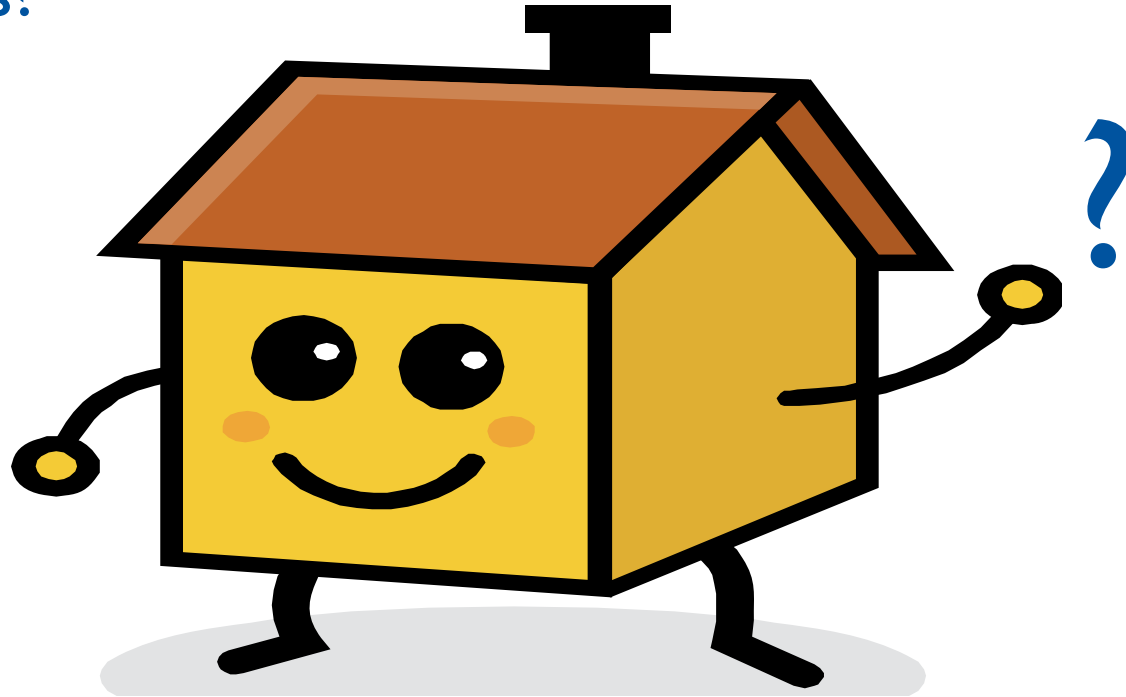
The screenshot shows a web interface for viewing job log entries. At the top, there is a title bar with the text "Job Log Entries for TARGET_846 / 03004602". Below the title bar, there are navigation buttons: "Long text", "Previous page", "Next page", and a print icon. The main content area displays the text "Job log overview for job: TARGET_846 / 03004602". Below this text is a table with three columns: "Date", "Time", and "Message text". The table contains three rows of log entries.

Date	Time	Message text
08/13/2010	03:00:05	Job started
08/13/2010	03:00:05	Step 001 started (program Z_MATL_AVAIL_TARGET, variant &00000000000000,
08/13/2010	03:00:30	Job finished

Key Learning's

- Using PROACT01 IDoc type, Annin & Co. was able to meet all their requirements
 - Satisfy EDI partner's requirements for 846
 - Reduce/eliminate manual effort
 - Become more efficient with labor and data
 - Cost savings

Questions?



- **For additional information:**
 - www.dickinson-assoc.com

Thank you for participating.