

824 Application Advice

FUNCTIONAL GROUP = **AG**

This document contains the format and establishes the data contents of the Application Advice transaction set (824) for use within the context of an Electronic Data Interchange (EDI) environment. The 824 can be used to report on the data that has been transmitted to Detroit Diesel. It will not be used in place of a transaction set designed as a specific response to another transaction set (e.g. purchase order acknowledgement sent in response to a purchase order).

Transaction Header Information

PAGE	SEG ID.	NAME	REQ. DES.	MAX USE	LOOP REPEAT
2	ST	Transaction Set Header	M	1	
3	BGN	Beginning Segment	M	1	
LOOP ID- N1					
4	N1	Name	M	1	>1

Transaction Detail Information

PAGE	SEG ID.	NAME	REQ. DES.	MAX USE	LOOP REPEAT
LOOP ID- OTI					
5	OTI	Original Transaction Identification	M	1	
7	DTM	Date/Time Reference	M	2	
LOOP ID- OTI/TED					
8	TED	Technical Error/Description	M	1	>1

Transaction Trailer Information

PAGE	SEG ID.	NAME	REQ. DES.	MAX USE	LOOP REPEAT
9	SE	Transaction Set Trailer	M	1	

Codes used in the ATTRIBUTES field for each segment:

First Column:

M = Mandatory
O = Optional
X = Conditional
Z = Not used by Detroit Diesel

Second Column:

Nx = Numeric (x= decimal place)
R = Decimal
ID = ID code
AN = Alphanumeric
DT = Date (usually YYMMDD)
TM = Time (usually HHMM or HHMMSS)

Segment: ST Transaction Set Header

Level: Header

Loop: N/A

Usage: Mandatory

Max Use: 1

Purpose: To indicate the start of a transaction set and to assign a control number.

Semantic: 1) The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition.

Notes: The transaction set control number (ST02) in this header must match the transaction set control number (SE02) in the transaction set trailer (SE).

Data Element Summary

REF. DES.	DATA ELE.	NAME	DDC USAGE	ATTRIBUTES		
ST01	143	Transaction Set Identifier Code Code uniquely identifying a transaction set	X	M	ID	3/3
		824: Application Advice				
ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator of a transaction set.	X	M	AN	4/9

Segment: BGN Beginning Segment

Level: Header

Loop: N/A

Usage: Mandatory

Max Use: 1

Purpose: To indicate the beginning of a transaction set.

Syntax: 1) C0504- If BGN05 is present, then BGN04 is required.

Semantic: 1) BGN02 is the transaction set reference number,
2) BGN03 is the transaction set date.
3) BGN04 is the transaction set time.
4) BGN05 is the transaction set time qualifier.

Data Element Summary

REF. DES.	DATA ELE.	NAME	DDC USAGE	ATTRIBUTES		
BGN01	353	Transaction Set Purpose Code Code uniquely purpose of a transaction set	X	M	ID	2/2
		00: Original				
BGN02	127	Reference Identification Reference information as defined for a particular transaction set or as specified by the reference identification qualifier	X	M	AN	1/30
BGN03	373	Date Date expressed as CCYYMMDD	X	M	DT	8/8
BGN04	337	Time Time expressed in 24-hour clock time as follows: HHMMSS where H = hours (00-23), M = minutes (00-59) and S = integer seconds (00-59).	X	X	TM	4/8
BGN05	623	Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or – and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and – are substituted by P and M in the codes that follow.	X	O	ID	2/2
		Any valid X12 code value				
BGN06	127	Reference Identification Reference information as defined for a particular transaction set or as specified by the reference identification qualifier.	X	O	AN	1/30
BGN07	640	Transaction Type Code Code specifying the type of transaction		Z	ID	2/2
		Not used				
BGN08	306	Action Code Code indicating the type of action		Z	ID	1 /2
		Not used				
BGN09	786	Security Level Code Code indicating the level of confidentiality assigned by the sender to the information following		Z	ID	2/2
		Not used				

Segment: N1 Name

Level: Header

Loop: N1 **Repeat:** >1

Usage: Mandatory

Max Use: 1

Purpose: To identify a party by type of organization, name, and code.

Syntax: 1) R0203- At least one of N102 or N103 is required.
2) P0304- if either N103 or N104 is present, then the other is required.

Comments: A. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
B. N105 and N106 further define the type of entity in N101.

Notes: If the N1 is used, this application advice transaction set should repeat the N1 segments from the transaction set causing this response.

Data Element Summary

REF. DES.	DATA ELE.	NAME	DDC USAGE	ATTRIBUTES	
N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual	X	M	ID 2/3
N102	93	Name Free-form name	X	X	AN 1/60
N103	66	Identification Code Qualifier Code designating the system/method of code structure used for identification code (data element 67)	X	X	ID 1/2
N104	67	Identification Code Code identifying a party or other code.	X	X	AN 2/80
N105	706	Entity Relationship Code Code describing entity relationship		Z	ID 2/2
N106	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property, or an individual		Z	AN 2/3
		Not used			

Segment: OTI Original Transaction Identification

Level: Detail

Loop: OTI **Repeat:** >1

Usage: Mandatory

Max Use: 1

Purpose: To identify the edited transaction set and the level at which the results of the edit are reported, and to indicate the accepted, rejected, or accepted-with-change edit result.

Set Notes: 1) The OTI loop is intended to provide a unique identification of the transaction set that is the subject of this application acknowledgment.

Syntax: 1) C0908- if OTI09 is present, then OTI08 is required.

Semantic: 1) OTI03 is the primary reference identification or number used to uniquely identify the original transaction set.

2) OTI06 is the group date.

3) OTI07 is the group time.

4) If OTI11 is present, it will contain the version/release under which the original electronic transaction was translated by the receiver.

5) OTI12 is the purpose of the original transaction set, and is used to assist in its unique identification.

6) OTI13 is the type of the original transaction set, and is used to assist in its unique identification.

7) OTI14 is the application type of the original transaction set, and is used to assist in its unique identification.

8) OTI15 is the type of action indicated or requested by the original transaction set, and is used to assist in its unique identification.

9) OTI16 is the action requested by the original transaction set, and is used to assist in its unique identification.

10) OTI17 is the status reason of the original transaction set, and is used to assist in its unique identification.

Comments A. OTI02 contains the qualifier identifying the business transaction from the original business application, and OTI03 will contain the original business application identification.

B. If used, OTI04 through OTI08 will contain values from the original electronic functional group generated by the sender.

C. If used, OTI09 through OTI10 will contain values from the original electronic transaction set generated by the sender.

Notes: The following table details the allowable values for OTI10, OTI02, and OTI03, and their relationship with each other. The column labeled OTI10 indicates to which transaction set the Application Advice applies. OTI02 must contain the value specified in the table. OTI03 must contain the value received in the transaction set mentioned in OTI10. In the table, the reference designator(s) in the OTI03 column indicate what data is to be returned.

Original Trans. Set	Code	Location of Original Document Num in Original Trans.
210	FB	B302
810	IV	BIG02
820	TN	TRN02
830	RE	BFR02/BFR03
850	PO	BEG03
856	SI	BSN02
861	TN	BRA01
862	RE	BSS02

Data Element Summary

REF. DES.	DATA ELE.	NAME	DDC USAGE	ATTRIBUTES		
OTI01	110	Application Acknowledgment Code Code indicating the application system edit results of the business data. DDC will always send TR- Transaction Rejected.	X	M	ID	1/2
OTI02	128	Reference Identification Qualifier Code qualifying the reference identification. See table above.	X	M	ID	2/3
OTI03	127	Reference Identification Reference information as defined for a particular transaction set or as specified by the reference identification qualifier.	X	M	AN	1/30

OTI04	142	See table above.	Z	AN	2/15
		Application Sender's Code Code identifying party sending transmission; codes agree to by trading partners.			
OTI05	124	Not used	Z	AN	2/15
		Application Receiver's Code Code identifying party receiving transmission; codes agreed to by trading partners.			
OTI06	373	Not used	Z	DT	8/8
		Date Date expressed as CCYYMMDD			
OTI07	337	Not used	Z	TM	4/8
		Time Time expressed in 24-hour clock time as follows: HHMM, HHMMSS, HHMMSSD, or HHMMSSD, where H = hours (00-23), M= minutes (00-59), S= integer seconds (00-59), and D= decimal seconds (00-99).			
OTI08	28	Not used	Z	N0	1/9
		Group Control Number Assigned number originates and maintained by the sender.			
OTI09	329	Not used	Z	AN	3/3
		Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set.			
OTI10	143	Not used	X	O	ID
		Transaction Set Identifier Code Code uniquely identifying a transaction set.			
OTI11	480	See table above.	Z	AN	1/12
		Required Version/Release/Industry Identifier Code Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 is GS segment is X, then in DE480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed			
OTI12	353	Transaction Set Purpose Code Code identifying purpose of transaction set	Z	ID	2/2
		Not used			
OTI13	640	Transaction Type Code Code specifying the type of transaction	Z	ID	2/2
		Not used			
OTI14	346	Application Type Code identifying an application	Z	ID	2/2
		Not used			
OTI15	306	Action Code Code indicating type of action	Z	ID	1/2
		Not used			
OTI16	305	Transaction Handling Code Code designating the action to be taken by all parties	Z	ID	1/2
		Not used			
OTI17	641	Status Reason Code Code indicating the status reason	Z	ID	3/3
		Not used			

Segment: DTM Date/Time Reference

Level: Detail

Loop: OTI

Usage: Optional

Max Use: 2

Purpose: To specify pertinent dates and times

Set Notes: 1) The DTM segment allows for the provision of date, time or date and time information required to uniquely identify the original transaction set.

- Syntax:** 1) R020305- At least one of DTM02, DTM03 or DTM05 is required
2) C0304- If DTM04 is present, then DTM03 is required.
3) P0506- If either DTM05 or DTM06 is present, then the other is required.

Data Element Summary

REF. DES.	DATA ELE.	NAME	DDC USAGE	ATTRIBUTES		
DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time.	X	M	ID	3/3
		Definition				
		Code				
		Invoice				003
		Purchase order				004
		Purchase order received				008
		Process				009
		Shipped				011
		Freight Bill				022
		Received				050
		Transaction Creation				097
DTM02	373	Date Date expressed as CCYYMMDD	X	X	DT	8/8
DTM03	337	Time Time expressed in 24-hour clock time as follows: HHMM, HHMMSS, HHMMSSD, or HHMMSSDD where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and D = decimal seconds (0-9).	X	X	TM	4/8
DTM04	623	Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or – and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and – are substituted by P and M in the codes that follow	X	O	ID	2/2
DTM05	1250	Date Time Period Format Qualifier Code indicating the date format, time format, or date and time format		Z	ID	2/3
		Not used				
DTM06	1251	Date Time Period Expression of a date, a time, or range of dates, times or dates and times.		Z	AN	1/35
		Not used				

Segment: TED Technical Error Description

Level: Detail

Loop: OTI/TED **Repeat:** >1

Usage: Mandatory

Max Use: 1

Purpose: To identify the error and, if feasible, the erroneous segment, or data element, or both.

Comments: A. If used, TED02 will contain a generic description of the data in error (e.g., part number, date, reference number, etc.)

Data Element Summary

REF. DES.	DATA ELE.	NAME	DDC USAGE	ATTRIBUTES		
TED01	647	Application Error Condition Code Code indicating application error condition Any valid X12 code value. See appendix A for codes DDC will be sending. If using propriety error identifiers, then use code "ZZZ" and see note for TED02.	X	M	ID	1/3
TED02	3	Free Form Message Free-form text When TED01 = "ZZZ", the first three positions of TED02 may contain a proprietary error identifier, followed by a generic description of the error.	X	O	AN	1/60
TED03	721	Segment ID Code Code defining the segment ID of the data segment in error	X	O	ID	2/3
TED04	719	Segment Position in Transaction Set The numerical count position of this data segment from the start of the transaction set: the transaction set header is count position 1. Not used		Z	N0	1/6
TED05	722	Element Position in Segment This is used to indicate the relative position of a simple data element, or the relative position of a composite data structure with the relative position of the component within the composite data structure, in error; in the data segment the count starts with 1 for the simple data element or composite data structure immediately following the segment ID.	X	O	N0	1/2
TED06	725	Data Element Reference Number Reference number used to locate the data element in the Data Element Dictionary. Not used		Z	N0	1/4
TED07	724	Copy of Bad Data Element This is a copy of the data element in error.	X	O	AN	1/99
TED08	961	Data Element New Content New data which has replaced erroneous data Not used		Z	AN	1/99

Segment: **SE** **Transaction Set Trailer**

Level: Detail

Loop: N/A

Usage: Mandatory

Max Use: 1

Purpose: To indicate the end of a transaction set and provide the count of the transmitted segments (including the ST and SE segments).

Comments: **A. SE is the last segment of each transaction set.**

Data Element Summary

REF. DES.	DATA ELE.	NAME	DDC USAGE	ATTRIBUTES		
SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments.	X	M	N0	1/30
SE02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator of a transaction set. Must be the same as the ST02 element.	X	M	AN	4/9

Appendix A

DDC Error Code Examples

Code:	007
Transaction:	856
Description:	Trailer/Container number was not transmitted. The trailer number for the given ASN was not included in the file transmission.
Data Returned:	Nothing (TD303)
Code:	011
Transaction:	856
Description:	Not matching Each DDC part is assigned to a given plant. If the part number/plant number combination transmitted in the ASN does not match up with the combination in the DDC business system, it will be rejected
Data Returned:	Part number (LIN03)
Code:	026
Transaction:	856
Description:	Customer Identification Number is Invalid The plant number transmitted is not a valid DDC plant number.
Data Returned:	DDC Plant number (N104)
Code:	119
Transaction:	856
Description:	Duplicate ship ID number used less than a year ago. The vendor used a shipper ID number slip that was used less than a year ago.
Data Returned:	Duplicate SID (BSN02)
Code:	133
Transaction:	856
Description:	Item Not Found On Purchase Order For the part number and purchase order transmitted on each ASN, the part number must also be found on the corresponding purchase order in the DDC business system.
Data Returned:	Part number (LIN)
Code:	DBL
Transaction:	856
Description:	Duplicate packing slip number in the same ASN. A packing slip was duplicated in the same transmission for a given trading partner.
Data Returned:	Shipment Date (REF02)

Code:	DTE
Transaction:	856
Description:	Incorrect Date
	The shipped date value cannot be greater than the date the ASN is transmitted.
Data Returned:	Shipment Date (DTM02)
Code:	MB
Transaction:	856
Description:	Missing or Invalid Purchase Order Number.
	Detroit Diesel assigns each vendor has a vendor code and each vendor code has certain purchase order numbers assigned to it. If the vendor number/purchase order combination sent does not match the combination in the DDC business system, it will be rejected.
Data Returned:	Purchase Order Number (PRF01)
Code:	MI
Transaction:	856
Description:	Missing or Invalid SCAC Code
	SCAC code transmitted does not match a SCAC code at DDC.
Data Returned:	SCAC Code (TD503)
Code:	OTH
Transaction:	856
Description:	Duplicate packing slip used less than a year.
	The vendor used a packing slip that was used less than a year ago.
Data Returned:	Packing slip number (REF02)
Code:	QTY
Transaction:	856
Description:	Load Quantity does not match.
	The calculated quantity in the CLD segment does not match the quantity in the SN1 segment.
Data Returned:	Quantity (SN102)
Code:	ZZZ
Transaction:	210/856
Description:	Mutually Defined
	PREFIXED WITH DFB (210): The freight amount paid is always the lesser of the rated amount or the invoiced amount and the higher amount was the amount sent.
	PREFIXED WITH MRA (856): The information transmitted on the ASN has already been manually entered into the DDC business system.
	AN ORIGINAL ASN DOES NOT EXIST FOR THIS CANCELLATION
Data Returned:	<ul style="list-style-type: none">• DFB Prefix: Invoice Amount (L305)• MRA Prefix: Shipment Date (DTM02)

Appendix B

Sample Files

Generated by an 856

BGN~00~99999824~20050308~120345~LT
N1~SF~DETROIT DIESEL~92~63001
N1~ST~~92~99999
OTI~TR~SI~030805~~~~~856
DTM~011~20050308
TED~ZZZ~MRA-SHIPMENT RECEIVED MANUALLY. ASN NOT PROCESSED~DTM~~~~03082005

Generated by a 210

BGN~00~AAAA8241000233~050304~120350~LT
N1~SF~DETROIT DIESEL~92~63001
N1~ST~~92~AAAA
OTI~TR~FB~7200015~~~~~210
DTM~022~050303
TED~ZZZ~DFB- PAYING DDC INTERNAL AMOUNT OF \$3440.37.~L3~~5~~3629.68