

TreasuryDirect (TD) Corporate Trade Exchange (CTX) Formatting Standard

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Introduction

Notes

- The CTX record is contained in the 07 record of the ACH file.
- Multiple transaction sets may be sent in a single ACH file.

X12 Record Layout

SAMPLE FILE:

```
ISA*00*      *00*      *ZZ*FMS      *ZZ*TreasuryDirect *100715*1333*U*00304*00000000  
1*0*P*~\GS*RA*FMS*TD*100715*041210*000000001*X*003050\ST*820*000000001\BPR*C*  
300.00*C*ACH*CTX\ENT\RMR*11*A999999999**100.00\RMR*11*A999999999P**100.00\RM  
R*11*A999999999**100.00\SE*5*0000000001\GE*1*000000001\IEA*1*000000001\
```

Elements

*ISA Segment\GS Segment\ST Segment\BPR Segment\ENT Segment\RMR Segment(s)\
SE Segment\GE Segment\IEA Segment*

Segments

Segment: ISA – Interchange Control Header

SAMPLE:

ISA*00* *00* *ZZ*FMS *ZZ*TreasuryDirect *100715*1333*U*00304*00000000
1*0*P*~\

Elements

ISA*ISA01*ISA02*ISA03*ISA04*ISA05*ISA06*ISA07*ISA08*ISA09*ISA10*ISA11*ISA12*ISA13*ISA14*ISA15*ISA16\

Element	Description	Required	Possible Values	Comments
ISA01	Authorization information qualifier.	Y	00	00 = No Authorization Information Present
ISA02	Authorization information.	Y	10 spaces	Provide spaces.
ISA03	Security information qualifier.	Y	00	00 = No Authorization Information Present
ISA04	Security information.	Y	10 spaces	Provide spaces.
ISA05	Interchange ID Qualifier	Y	ZZ	ZZ = mutually defined
ISA06	Interchange sender id.	Y		Originators name up to 15 characters padded with spaces to right to make 15 characters.
ISA07	Interchange ID Qualifier	Y	ZZ	ZZ = mutually defined
ISA08	Interchange receiver id.	Y	TreasuryDirect	'TreasuryDirect ' (padded to 15 positions)
ISA09	Interchange date.	Y		Date of interchange YYMMDD format.
ISA10	Interchange time.	Y		Time of interchange in HHMM format.
ISA11	Interchange control standard identifier.	Y	U	U = US EDI Community of ASC X12...
ISA12	Interchange control version number.	Y	00304	00304 = Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1993
ISA13	Interchange control number.	Y		Sequential number assigned by originator.
ISA14	Acknowledgement requested	Y	0	0 = No Acknowledgement

Element	Description	Required	Possible Values	Comments
ISA15	Test indicator.	Y	T or P	T = Test P = Production
ISA16	Component element separator.	Y	~	Used to separate elements in composite data elements. Defined by originator.

Validation

Field	Validated (Y/N)	Rules
ISA01	Y	Must be 2 characters.
ISA02	Y	Must be 10 characters.
ISA03	Y	Must be 2 characters.
ISA04	Y	Must be 10 characters.
ISA05	Y	Must be 2 characters.
ISA06	Y	Must be 15 characters.
ISA07	Y	Must be 2 characters.
ISA08	Y	Must be 15 characters.
ISA09	Y	Must be 6 characters.
ISA10	Y	Must be 4 characters.
ISA11	Y	Must be 1 character.
ISA12	Y	Must be "00304"
ISA13	Y	Must be 9 characters.
ISA14	Y	Must be 1 character.
ISA15	Y	Must be "P".
ISA16	Y	Must be 1 character.

Segment: GS – Functional Group Header

SAMPLE:

GS*RA*FMS*TD*100715*041210*000000001*X*3050\

Elements

GS*GS01*GS02*GS03*GS04*GS05*GS06*GS07*GS08\

Element	Description	Required	Possible Values	Comments
GS01	Functional Identifier Code	Y	RA	Transaction set format (RA = 820)
GS02	Application Sender's Code	Y		Originator Application Name Code (supplied by originator)
GS03	Application Receiver's Code	Y	TD	Receiver Application Name Code
GS04	Date	Y		File creation date YYMMDD
GS05	Time	Y		File creation time HHMMSS
GS06	Group Control Number	Y		Originator Control number, must match trailer (supplied by originator)
GS07	Responsible Agency Code	Y	X	Transmission type X = X12.
GS08	Version Number	Y	3050	X12 version.

Validation

Field	Validated (Y/N)	Rules
GS01	Y	Must be "RA"
GS02	N	
GS03	N	
GS04	N	
GS05	N	
GS06	N	
GS07	Y	Must be "X"
GS08	Y	Must be "3050"

Segment: ST – Transaction Set Header

SAMPLE: ST*820*000000001\

Elements

ST*ST01*ST02\

Element	Description	Required	Possible Values	Comments
ST01	Transaction set number.	Y	820	
ST02	Transaction set control number	Y		Originator transaction set control number (supplied by originator)

Validation

Field	Validated (Y/N)	Rules
ST01	Y	Must be "820"
ST02	N	

Segment: BPR – Beginning Segment for Payment Order/Remittance Advice

SAMPLE: BPR*C*300.00*C*ACH*CTX\

Elements

BPR*BPR01*BPR02*BPR03*BPR04*BPR05\

Element	Description	Required	Possible Values	Comments
BPR01	Handling code	Y	C	C = Payment Accompanies Remittance Advice
BPR02	Amount	Y		Sum of amount (RMR04) in RMR segments.
BPR03	Debit/Credit indicator	Y	C	C = Credit
BPR04	Payment Method	Y	ACH	ACH = Automated Clearing House
BPR05	Payment Format	Y	CTX	CTX = Corporate Trade Exchange
Segment may be ended here. Remainder of BPR record is not used.				
BPR06		N		Not used.
BPR07		N		Not used.
BPR08		N		Not used.
BPR09		N		Not used.
BPR10		N		Not used.
BPR11		N		Not used.
BPR12		N		Not used.
BPR13		N		Not used.
BPR14		N		Not used.
BPR15		N		Not used.
BPR16		N		Not used.
BPR17		N		Not used.
BPR18		N		Not used.
BPR19		N		Not used.
BPR20		N		Not used.
BPR21		N		Not used.

Validation

Field	Validated (Y/N)	Rules
BPR01	N	
BPR02	N	
BPR03	Y	Must be "C"
BPR04	Y	Must be "ACH"
BPR05	Y	Must be "CTX"
BPR06	N	
BPR07	N	

Field	Validated (Y/N)	Rules
BPR08	N	
BPR09	N	
BPR10	N	
BPR11	N	
BPR12	N	
BPR13	N	
BPR14	N	
BPR15	N	
BPR16	N	
BPR17	N	
BPR18	N	
BPR19	N	
BPR20	N	
BPR21	N	

Segment: ENT – Entity

SAMPLE: ENT\

Elements

ENT\

Element	Description	Required	Possible Values	Comments
Segment may be ended here. Remainder of ENT record is not used.				
ENT01		N		Not used.
ENT02		N		Not used.
ENT03		N		Not used.
ENT04		N		Not used.
ENT05		N		Not used.
ENT06		N		Not used.
ENT07		N		Not used.
ENT08		N		Not used.
ENT09		N		Not used.

Validation

Field	Validated (Y/N)	Rules
ENT01	N	
ENT02	N	
ENT03	N	
ENT04	N	
ENT05	N	
ENT06	N	
ENT07	N	
ENT08	N	
ENT09	N	

Segment: RMR – Remittance Advice Accounts Receivable Open Item Reference

SAMPLE:

RMR*11*A999999999**100.00\

Elements

RMR**RMR01***RMR02***RMR03***RMR04*\

Element	Description	Required	Possible Values	Comments
RMR01	Reference Number Qualifier	Y	11	11 = Account Number
RMR02	TD Account Number	Y		TreasuryDirect account number.
RMR03	Payment Action Code	N		Not used.
RMR04	Amount	Y		Amount of payment.
Segment may be ended here. Remainder of RMR record is not used.				
RMR05		N		Not used.
RMR06		N		Not used.

Validation

Field	Validated (Y/N)	Rules
RMR01	N	
RMR02	Y	1) Must identify a valid TreasuryDirect (TD) account. 2) Account must be a Primary account. 3) Account must not have a hold code. 4) Account must have a Payroll Savings Plan profile in TD. 5) Must be a) a letter and 10 digits OR b) a letter, 10 digits and "P". 6) Must be in format (A999999999 OR A999999999P).
RMR03	N	
RMR04	Y	Must be 0.00 if prenote. Must be > 0.00 and < 1,000,000,000.00 if not prenote.
RMR05	N	
RMR06	N	

Segment: SE – Transaction Set Trailer

SAMPLE:

SE*5*000000001\

Elements

SE*SE01*SE02\

Element	Description	Required	Possible Values	Comments
SE01	Number of segments.	Y		Number of segments between ST and SE segment.
SE02	Transaction set control number	Y		Originator transaction set control number (supplied by originator), must match ST segment (ST02).

Validation

Field	Validated (Y/N)	Rules
SE01	Y	Must be correct.
SE02	N	

Segment: GE – Functional Group Trailer

SAMPLE:

GE*1*00000001\

Elements

GE*GE01*GE02\

Element	Description	Required	Possible Values	Comments
GE01	Number of transaction sets in group.	Y		Number of transaction sets between GS and GE segment.
GE02	Group Control Number	Y		Originator Control number, must match trailer (supplied by originator), must match GS segment (GS06).

Validation

Field	Validated (Y/N)	Rules
GE01	Y	Must be correct.
GE02	N	

Segment: IEA – Interchange Control Trailer

SAMPLE:

IEA*1*000000001\

Elements

IEA*IEA01*IEA02\

Element	Description	Required	Possible Values	Comments
IEA01	Number of functional groups in file.	Y		Number of functional groups in file.
IEA02	Interchange control number.	Y		Interchange control number, (matches Interchange Control Header).

Validation

Field	Validated (Y/N)	Rules
IEA01	Y	Must be correct.
IEA02	N	