

Texas IFTA - International Fuels Tax Agreement

Transaction Set 813 Effective October 2018

This mapping illustrates the required format of the ANSI ASC X12 813 Transaction Set for use in filing a Texas IFTA Return forms 56-101 & 56-102. This transaction set can be used by tax filers to electronically file tax returns which may initiate payments related to the tax return.

- Each occurrence of an 813 begins with an ST segment and ends with a SE segment.
- Multiple 813 filings are contained within a GS/GE envelope and an ISA/IEA Interchange Control Header and Trailer.
- All segments are required unless noted. See Attribute Exemptions at the end of this document for acronym explanations.
- An example of the required mapping follows each table.

Changes to Mapping Document

- October 2018
 - The FGS~SU~PG segment was changed to include Electric and Hydrogen as fuel types.
 - This document is formatted to meet 508 Compliance.

Interchange Control Header (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
ISA01	I01	Authorization Information Qualifier	ID	M	2/2	03 = Additional Data Identification
ISA02	I02	Authorization Information	AN	M	10/10	TX813059RP = Production TX813059RT = Test
ISA03	I03	Security Information Qualifier	ID	M	2/2	00 = No Security Information Present
ISA04	I04	Security Information	AN	M	10/10	Spaces
ISA05	I05	Interchange ID Qualifier	ID	M	2/2	ZZ = Mutually defined ID
ISA06	I06	ISA Sender ID	AN	M	11/15	Taxpayer Number, FEIN, Van ID, Duns #, etc.
ISA07	I05	Interchange ID Qualifier	ID	M	2/2	ZZ = Mutually defined ID
ISA08	I07	ISA Receiver ID	AN	M	15/15	TEX COMPTRROLLER
ISA09	I08	Generation Date	DT	M	6/6	YYMMDD
ISA10	I09	Generation Time	TM	M	4/4	HHMM
ISA11	I10	Interchange Control Standards ID	ID	M	1/1	U = ASC X12
ISA12	I11	Interchange Control Version Number	ID	M	5/5	00401
ISA13	I12	Interchange Control	NO	M	9/9	Assigned by Sender – Must equal IEA02
ISA14	I13	Acknowledgment Requested	ID	M	1/1	0 = No 1 = Yes
ISA15	I14	Test Indicator	ID	M	1/1	P = Production T = Test
ISA16	I15	Sub-element Separator	AN	M	1/1	^ = Sub-element separator

ISA~03~TX813059RP~00~ ~ZZ~17400000000~ZZ~TEX
COMPTRROLLER~181001~1630~U~00401~000000093~0~P~^n/l

Functional Group Header (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
GS01	479	Functional ID Code	ID	M	2/2	TF
GS02	142	Sender's ID Code	AN	M	11/15	Taxpayer Number, FEIN, Van ID, Duns #, etc.
GS03	124	Receiver's ID Code	AN	M	15/15	TEX COMPTRROLLER
GS04	029	Group Create Date	DT	M	8/8	CCYYMMDD
GS05	030	Group Create Time	TM	M	4/6	HHMMSS (Seconds are optional)
GS06	028	Group Control Number	NO	M	1/9	Assigned by Sender – Must equal GE02
GS07	455	Responsible Agency Code	ID	M	1/2	X
GS08	480	Version/Release ID	AN	M	6/6	004010

GS~TF~17400000000~TEX COMPTRROLLER~20140401~1630~2~X~004010n/l

Header Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
ST01	143	Transaction Set identifier	ID	M	3/3	“813”
ST02	329	Transaction Set Control Number	ID	M	4/9	Determined by Filer (Must equal SE segment)

ST~813~1000n/1

Begin Tax Information Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
BTI01	128	Reference Number Qualifier	ID	M	2/2	T6 = Tax Filing
BTI02	127	Reference Number	AN	M	3/3	“059” = FTA Tax Code for IFTA
BTI03	66	ID Code Qualifier	ID	M	2/2	“47” = Tax Authority
BTI04	67	ID Code	AN	M	2/2	“TX” = Texas Comptroller
BTI05	373	Transaction Create Date	DT	M	8/8	“CCYYMMDD” = Trans. Create Date
BTI06	818	Name Control ID	AN	O	1/4	Not Used
BTI07	66	ID Code Qualifier	ID	M	2/2	Not Used
BTI08	67	ID Code	AN	M	13/13	Not Used
BTI09	66	ID Code Qualifier	ID	M	2/2	“49” = State Assigned ID Number
BTI10	67	ID Code	AN	M	11/11	Texas Taxpayer Number
BTI11	66	ID Code Qualifier	ID	C	2/2	SV = Service Provider Number
BTI12	67	ID Code	AN	C	9/9	Software Provider Code Assigned by Texas (transmitter number)
BTI13	353	Transaction Set Purpose Code	ID	O	2/2	Option: “00” = Original
BTI14	640	Transaction Type Code	AN	O	2/2	Option: “CO” = Corrected

BTI~T6~059~47~TX~20181001~~~~49~17405499900~SV~00000162C~00n/1

BTI~T6~059~47~TX~20181001~~~~49~17405499900~SV~00000162C~~CO n/1

- BTI13 should be used without BTI14. Use “00=Original” when filing your original return.
- BTI14 should be used without BTI13. Use “CO=Corrected” when adjusting or correcting original or amended return.

Date/Time Reference Segment (Required)

Filing period must be quarterly and follow calendar quarters

DE	Reference	Element Type	Attribute	Status	Length	Description
DTM01	374	Date/Time Qualifier	ID	M	3/3	“683” = Filing Period
DTM02	373	Date	DT	M	8/8	Not Used
DTM03	337	Time	TM	O	4/8	Not Used
DTM04	623	Time Code	ID	O	2/2	Not Used
DTM05	624	Century	NO	M	2/2	Not Used
DTM06	1250	Date Time Period Format	ID	M	3/3	“RD8” = Range of Dates
DTM07	1251	Date Time Period	AN	M	17/17	CCYYMMDD - CCYYMMDD = Filing Period

DTM~683~~~~RD8~20140401-20140630n/1

Tax Information and Amount Segment (Optional)

TIA02 (monetary amount) must match BPR02 (payment amount); REF~EM and BPR segments must be included.

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information	AN	M	4/4	“5801” = Remitted Amount
TIA02	782	Monetary Amount	R	M	4/11	Monetary Amount – Cannot be negative

TIA~5801~719.75n/l

Reference Identification (Conditional)

If electronic payment is being made, then this segment is required. REF~EM and BPR segment must be included.

DE	Reference	Element Type	Attribute	Status	Length	Description
REF01	128	Reference ID Qualifier	ID	M	2	“EM” = Electronic Payment Reference Number
REF02	127	Reference ID	AN	M	5/5	“56020” = Payment Transaction Code

REF~EM~56020n/l

Beginning Segment for Payment Order/Remittance Advice (Conditional)

If TIA~5801 is reported, then REF~EM and BPR segment must be included. BPR02 must match monetary amount in TIA5801. BPR16 (Settlement date) cannot be more than 30 days in the future.

DE	Reference	Element Type	Attribute	Status	Length	Description
BPR01	305	Transaction Handling Code	ID	M	1/1	“C” = Payment Accompanies Remittance Advice
BPR02	782	Monetary Amount	R	M	4/11	Payment Amount – Cannot be negative
BPR03	478	Credit/Debit Flag Code	ID	M	1/1	“D” = Debit
BPR04	591	Payment Method Code	ID	M	3/3	“ACH” = Automated Clearing House (ACH)
BPR05	812	Payment Format Code	ID	M	3/3	“CCD” = Cash Concentration/Disbursement
BPR06	506	(DFI) ID Number Qualifier Code identifying the type of identification number of Depository Financial Institution (DFI)	ID	M	2/2	“01” = ABA Transit Route Number Including Checking Digits
BPR07	507	(DFI) Identification Number Depository Financial Institution (DFI) identification number	NO	M	9/9	Originating DFI Route/Transit Number
BPR08	569	Account Number Qualifier Code	ID	M	2/2	“DA” = Demand Deposit (Checking Account) “SG” = Savings Account
BPR09	508	Account Number	NO	M	6/17	Bank Account Number
BPR10	509	Originating Company Identifier	AN	O	10/10	Not used
BPR11	510	Originating Company Supplemental	AN	O	9/9	Not Used
BPR12	506	(DFI) ID Number Qualifier	ID	C	2/2	Not Used
BPR13	507	(DFI) Identification Number	AN	C	3/12	Not Used
BPR14	569	Account Number Qualifier Code	ID	O	2/2	Not Used
BPR15	508	Account Number	AN	C	1/35	Not Used
BPR16	373	Effective Entry Date	DT	M	8/8	Date the originating agency intends for the transaction to be settled. Settlement date - CCYYMMDD
BPR17	1048	Business Function Code	ID	M	3/3	“TAX” = Tax Payment Code identifying the business reason for this payment

BPR~C~719.75~D~ACH~CCD~01~110000931~DA~522147640~~~~~20181031~TAXn/l

Date/Time Reference Segment (Optional)

The following DTM Segment is used to indicate “Cancellation Date” when REF Segment to “Cancel License” is used.

DE	Reference	Element Type	Attribute	Status	Length	Description
DTM01	374	Date/Time Qualifier	ID	M	3/3	“177” = Cancellation
DTM02	373	Date	DT	M	8/8	“CCYYMMDD” = Cancellation Date

DTM~177~20140331n/l

Reference numbers segment (conditional)

Required only if DTM~177 is used.

DE	Reference	Element Type	Attribute	Status	Length	Description
REF01	128	Reference Number Qualifier	ID	M	2/2	“BE” = Business Activity
REF02	127	Reference Number	AN	M	1/1	“2” = Cancel License

REF~BE~2n/l

Tax Information and Amount Segment (Optional)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information	AN	M	4/4	“5824” = Address Change Ind.
TIA02	782	Monetary Amount	R	M	1/10	Not Used
TIA03	449	Fixed Format Information	AN	M	1/1	“Y” = Yes “N” = No

TIA~5824~~Nn/l

Name Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
N101	98	Entity ID Code	AN	M	2/2	“TP” = Taxpayer Name
N102	93	Taxpayer Name	AN	M	1/35	Taxpayer Legal Name

N1~TP~Joe Taxpayer Incn/l

Address Information (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
N301	166	Street Address	AN	M	1/30	Postal Mailing Address

N3~100 Congress Aven/l

Address Information (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
N401	19	City Name	AN	M	1/30	Postal Mailing City Name
N402	156	State/Province Code	ID	M	2/2	Postal Mailing State
N403	116	Postal Zip Code	ID	M	5/9	Postal Zip code

N4~Austin~TX~78787n/l

General Contact Person (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
PER01	366	Contact Function code	ID	M	2/2	“CN” = General Contact
PER02	93	Name	AN	M	1/35	Contact Name
PER03	365	Communications Number Qualifier	ID	M	2/2	“TE” = Telephone Number
PER04	364	Communications Number	AN	M	10/14	Contact Telephone Number
PER05	365	Communications Number Qualifier	ID	M	2/2	“EX” = Telephone Number
PER06	364	Communications Number	AN	C	1/5	Extension Number
PER07	365	Communications Number Qualifier	ID	O	2/2	“EM” = Electronic Mail
PER08	364	Communications Number	AN	O	1/80	E-mail Address

PER~CN~Carol Wright~TE~5124630070~EX~30070~EM~sales@yahoo.comn/l

Tax Form Segment (Required)

This TFS begins a looping process for forms 56-101.

DE	Reference	Element Type	Attribute	Status	Length	Description
TFS01	128	Reference Number Qualifier	ID	M	2/2	“T2” = Tax Form Code
TFS02	127	Reference Number	AN	M	5/5	“56180” = Original “56190” = Amended <ul style="list-style-type: none"> If the Original Tax Report’s t-code is 56180 then, the Original Report Supplement’s t-code is 56100, If the Amended Tax Report’s t-code is 56190 then, the Amended Report Supplement’s t-code is 56110.

TFS~T2~56180n/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5802” = Amount Due Diesel
TIA02	782	Monetary Amount	R	M	4/11	Monetary Amount - Diesel

TIA~5802~465.95n/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5803” = Amount Due Gasoline
TIA02	782	Monetary Amount	R	M	4/11	Monetary Amount - Gasoline

TIA~5803~0.00n/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5804” = Amount Due Ethanol
TIA02	782	Monetary Amount	R	M	4/11	Monetary Amount - Ethanol

TIA~5804~0.00n/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5805” = Amount Due Propane (LPG)
TIA02	782	Monetary Amount	R	M	4/11	Monetary Amount - Propane (LPG)

TIA~5805~253.80n/l

Tax Information and Amount Segment (Required)

See TFS Segment for product types report in this segment.

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5806” = Amount Due – Compressed Natural Gas (CNG)
TIA02	782	Monetary Amount	R	M	4/11	Monetary Amount – Compressed Natural Gas (CNG)

TIA~5806~0.00n/l

Tax Information and Amount Segment (Required)

See TFS Segment for product types report in this segment.

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5825” = Amount Due – Other Fuel Types
TIA02	782	Monetary Amount	R	M	4/11	Monetary Amount – Other Fuel Types

TIA~5825~0.00n/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5808” = Subtotal Amt. Due /Overpayment
TIA02	782	Monetary Amount	R	M	4/11	Monetary Amount

TIA~5808~719.75n/l

Tax Form Segment (Required)

The TFS begins a looping process for each product group type on the schedule 56-102.

DE	Reference	Element Type	Attribute	Status	Length	Description
TFS01	128	Reference Number Qualifier	ID	M	2/2	“T2” = Tax Schedule Code
TFS02	127	Reference Number	ID	M	5/5	“56180” = Original “56190” = Amended <ul style="list-style-type: none"> If the Original Tax Report’s t-code is 56180 then, the Original Report Supplement’s t-code is 56100, If the Amended Tax Report’s t-code is 56190 then, the Amended Report Supplement’s t-code is 56110.

TFS~T2~56100n/l

Form Group Segment (Required)

The FGS begins a looping process for the product group summary total on the schedule 56-102.

DE	Reference	Element Type	Attribute	Status	Length	Description
FGS01	350	Assigned ID	AN	M	2/2	“SU” = Schedule Summary
FGS02	128	Reference Number Qualifier	ID	M	2/2	“PG” = Product Group
FGS03	127	Reference Number	AN	M	2/2	Product Code: “01” = Diesel “02” = Gasoline “03” = Ethanol “04” = LPG-Propane “05” = CNG “06” = A-55 (Reported in Totals under Other) “07” = E-85 (Reported in Totals under Other) “08” = M-85 (Reported in Totals under Other) “09” = Gasohol (Reported in Totals under Other) “10” = LNG (Reported in Totals under Other) “11” = Methanol (Reported in Totals under Other) “12” = Biodiesel (Reported in Totals under Other) “13” = Electric (Reported in Totals under Other) “14” = Hydrogen (Reported in Totals under Other)

FGS~SU~PG~01n/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5813” = Total IFTA Miles
TIA02	782	Monetary Amount	R	M	1/10	Not Used
TIA03	449	Fixed Format Information	AN	C	1/80	Not Used
TIA04	380	Quantity	R	M	1/9	Quantity
TIA05	355	Unit of Measure Code	ID	M	2/2	“DH” = Miles

TIA~5813~~~32001~DHn/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5823” = Total Non-IFTA Miles
TIA02	782	Monetary Amount	R	M	1/10	Not Used
TIA03	449	Fixed Format Information	AN	C	1/80	Not Used
TIA04	380	Quantity	R	M	1/9	Quantity
TIA05	355	Unit of Measure Code	ID	M	2/2	“DH” = Miles

TIA~5823~~~1090~DHn/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5810” = Total Miles (all IFTA & Non IFTA jurisdictions)
TIA02	782	Monetary Amount	R	M	1/10	Not Used
TIA03	449	Fixed Format Information	AN	C	1/80	Not Used
TIA04	380	Quantity	R	M	1/9	Quantity
TIA05	355	Unit of Measure Code	ID	M	2/2	“DH” = Miles

TIA~5810~~~33091~DHn/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5811” = Total Gallons
TIA02	782	Monetary Amount	R	M	1/10	Not Used
TIA03	449	Fixed Format Information	AN	C	1/80	Not Used
TIA04	380	Quantity	R	M	1/9	Quantity - Cannot be negative
TIA05	355	Unit of Measure Code	ID	M	2/2	“GA” = Gallons

TIA~5811~~~4526~GAn/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5812” = Average Fleet MPG
TIA02	782	Monetary Amount	R	M	1/10	Not Used
TIA03	449	Fixed Format Information	AN	C	1/80	Not Used
TIA04	380	Quantity	R	M	4/6	Quantity
TIA05	355	Unit of Measure Code	ID	M	10/10	“DH:::GA:-1” = Miles per Gallon

TIA~5812~~~7.31~DH:::GA:-1n/l

Form Group Segment (Required)

The FGS begins a looping process for each state reported on the schedule.

DE	Reference	Element Type	Attribute	Status	Length	Description
FGS01	350	Assigned ID	AN	M	2/2	Jurisdiction Code

FGS~NMn/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5822” = Total IFTA Miles
TIA02	782	Monetary Amount	R	M	1/10	Not Used
TIA03	449	Fixed Format Information	AN	C	1/80	Not Used
TIA04	380	Quantity	R	M	1/8	Quantity - Cannot be negative
TIA05	355	Unit of Measure Code	ID	M	2/2	“DH” = Miles

TIA~5822~~~14000~DHn/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5814” = Taxable Miles
TIA02	782	Monetary Amount	R	M	1/10	Not Used
TIA03	449	Fixed Format Information	AN	C	1/80	Not Used
TIA04	380	Quantity	R	M	1/8	Quantity - Cannot be negative
TIA05	355	Unit of Measure Code	ID	M	2/2	“DH” = Miles

TIA~5814~~~14000~DHn/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5815” = Taxable Gallons
TIA02	782	Monetary Amount	R	M	1/10	Not Used
TIA03	449	Fixed Format Information	AN	C	1/80	Not Used
TIA04	380	Quantity	R	M	1/8	Quantity - Cannot be negative
TIA05	355	Unit of Measure Code	ID	M	2/2	“GA” = Gallons

TIA~5815~~~1915~GAn/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5816” = Tax Paid Gallons
TIA02	782	Monetary Amount	R	M	1/10	Not Used
TIA03	449	Fixed Format Information	AN	C	1/80	Not Used
TIA04	380	Quantity	R	M	1/8	Quantity - Cannot be negative
TIA05	355	Unit of Measure Code	ID	M	2/2	“GA” = Gallons

TIA~5816~~~1280~GAn/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5817” = Net Taxable Gallons
TIA02	782	Monetary Amount	R	M	1/10	Not Used
TIA03	449	Fixed Format Information	AN	C	1/80	Not Used
TIA04	380	Quantity	R	M	1/8	Quantity
TIA05	355	Unit of Measure Code	ID	M	2/2	“GA” = Gallons

TIA~5817~~~635~GAn/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5818” = Tax Rate for Jurisdiction
TIA02	782	Monetary Amount	R	M	6/6	Tax Rate - Cannot be negative

TIA~5818~0.2100n/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5819” = Tax (credit) Due
TIA02	782	Monetary Amount	R	M	4/11	Tax (credit) Amount Due

TIA~5819~133.35n/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5820” = Interest Due
TIA02	782	Monetary Amount	R	M	4/11	Interest Amount Due - Cannot be negative

TIA~5820~0.00n/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5821” = Total Due/Overpayment
TIA02	782	Monetary Amount	R	M	4/11	Total Amt. Due/Overpayment

TIA~5821~133.35n/l

Form Group Segment (Required)

The FGS begins a looping process for each state reported on the schedule.

DE	Reference	Element Type	Attribute	Status	Length	Description
FGS01	350	Assigned ID	AN	M	2/2	Jurisdiction Code

FGS~TXn/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5822” = Total IFTA Miles
TIA02	782	Monetary Amount	R	M	1/10	Not Used
TIA03	449	Fixed Format Information	AN	C	1/80	Not Used
TIA04	380	Quantity	R	M	1/8	Quantity - Cannot be negative
TIA05	355	Unit of Measure Code	ID	M	2/2	“DH” = Miles

TIA~5822~~~18001~DHn/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5814” = Taxable Miles
TIA02	782	Monetary Amount	R	M	1/10	Not Used
TIA03	449	Fixed Format Information	AN	C	1/80	Not Used
TIA04	380	Quantity	R	M	1/8	Quantity - Cannot be negative
TIA05	355	Unit of Measure Code	ID	M	2/2	“DH” = Miles

TIA~5814~~~18001~DHn/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5815” = Taxable Gallons
TIA02	782	Monetary Amount	R	M	1/10	Not Used
TIA03	449	Fixed Format Information	AN	C	1/80	Not Used
TIA04	380	Quantity	R	M	1/8	Quantity - Cannot be negative
TIA05	355	Unit of Measure Code	ID	M	2/2	“GA” = Gallons

TIA~5815~~~2463~GAn/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5816” = Tax Paid Gallons
TIA02	782	Monetary Amount	R	M	1/10	Not Used
TIA03	449	Fixed Format Information	AN	C	1/80	Not Used
TIA04	380	Quantity	R	M	1/8	Quantity - Cannot be negative
TIA05	355	Unit of Measure Code	ID	M	2/2	“GA” = Gallons

TIA~5816~~~800~GAn/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5817” = Net Taxable Gallons
TIA02	782	Monetary Amount	R	M	1/10	Not Used
TIA03	449	Fixed Format Information	AN	C	1/80	Not Used
TIA04	380	Quantity	R	M	1/8	Quantity
TIA05	355	Unit of Measure Code	ID	M	2/2	“GA” = Gallons

TIA~5817~~~1663~GAn/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5818” = Tax Rate for Jurisdiction
TIA02	782	Monetary Amount	R	M	6/6	Tax Rate - Cannot be negative

TIA~5818~0.2000n/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5819” = Tax (credit) Due
TIA02	782	Monetary Amount	R	M	4/11	Tax (credit) Amount Due

TIA~5819~332.60n/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5820” = Interest Due
TIA02	782	Monetary Amount	R	M	4/11	Interest Amount Due - Cannot be negative

TIA~5820~0.00n/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5821” = Total Due/Overpayment
TIA02	782	Monetary Amount	R	M	4/11	Total Amt. Due/Overpayment

TIA~5821~332.60n/l

Form Group Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
FGS01	350	Assigned ID	AN	M	2/2	”SU” = Schedule Summary
FGS02	128	Reference Number Qualifier	ID	M	2/2	”PG” = Product Group
FGS03	127	Reference Number	AN	M	2/2	Product Code: “01” = Diesel “02” = Gasoline “03” = Ethanol “04” = LPG-Propane “05” = CNG “06” = A-55 (Reported in Totals under Other) “07” = E-85 (Reported in Totals under Other) “08” = M-85 (Reported in Totals under Other) “09” = Gasohol (Reported in Totals under Other) “10” = LNG (Reported in Totals under Other) “11” = Methanol (Reported in Totals under Other) “12” = Biodiesel (Reported in Totals under Other) “13” = Electric (Reported in Totals under Other) “14” = Hydrogen (Reported in Totals under Other)

FGS~SU~PG~04n/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5813” = Total IFTA Miles
TIA02	782	Monetary Amount	R	M	1/10	Not Used
TIA03	449	Fixed Format Information	AN	C	1/80	Not Used
TIA04	380	Quantity	R	M	1/9	Quantity
TIA05	355	Unit of Measure Code	ID	M	2/2	“DH” = Miles

TIA~5813~~~10500~DHn/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5823” = Total Non-IFTA Miles
TIA02	782	Monetary Amount	R	M	1/10	Not Used
TIA03	449	Fixed Format Information	AN	C	1/80	Not Used
TIA04	380	Quantity	R	M	1/9	Quantity
TIA05	355	Unit of Measure Code	ID	M	2/2	“DH” = Miles

TIA~5823~~~2800~DHn/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5810” = Total Miles (all IFTA & Non IFTA jurisdictions)
TIA02	782	Monetary Amount	R	M	1/10	Not Used
TIA03	449	Fixed Format Information	AN	C	1/80	Not Used
TIA04	380	Quantity	R	M	1/9	Quantity
TIA05	355	Unit of Measure Code	ID	M	2/2	“DH” = Miles

TIA~5810~~~13300~DHn/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5811” = Total Gallons
TIA02	782	Monetary Amount	R	M	1/10	Not Used
TIA03	449	Fixed Format Information	AN	C	1/80	Not Used
TIA04	380	Quantity	R	M	1/9	Quantity - Cannot be negative
TIA05	355	Unit of Measure Code	ID	M	2/2	“GA” = Gallons

TIA~5811~~~2500~GAn/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5812” = Average Fleet MPG
TIA02	782	Monetary Amount	R	M	1/10	Not Used
TIA03	449	Fixed Format Information	AN	C	1/80	Not Used
TIA04	380	Quantity	R	M	4/5	Quantity
TIA05	355	Unit of Measure Code	ID	M	10/10	“DH:::GA:-1” = Miles per Gallon

TIA~5812~~~5.32~DH:::GA:-1n/l

Form Group Segment (Required)

The FGS begins a looping process for each state reported on the schedule.

DE	Reference	Element Type	Attribute	Status	Length	Description
FGS01	350	Assigned ID	AN	M	2/2	Jurisdiction Code

FGS~LAn/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5822” = Total IFTA Miles
TIA02	782	Monetary Amount	R	M	1/10	Not Used
TIA03	449	Fixed Format Information	AN	C	1/80	Not Used
TIA04	380	Quantity	R	M	1/8	Quantity - Cannot be negative
TIA05	355	Unit of Measure Code	ID	M	2/2	“DH” = Miles

TIA~5822~~~1500~DHn/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5814” = Taxable Miles
TIA02	782	Monetary Amount	R	M	1/10	Not Used
TIA03	449	Fixed Format Information	AN	C	1/80	Not Used
TIA04	380	Quantity	R	M	1/8	Quantity - Cannot be negative
TIA05	355	Unit of Measure Code	ID	M	2/2	“DH” = Miles

TIA~5814~~~0~DHn/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5815” = Taxable Gallons
TIA02	782	Monetary Amount	R	M	1/10	Not Used
TIA03	449	Fixed Format Information	AN	C	1/80	Not Used
TIA04	380	Quantity	R	M	1/8	Quantity - Cannot be negative
TIA05	355	Unit of Measure Code	ID	M	2/2	“GA” = Gallons

TIA~5815~~~0~GAn/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5816” = Tax Paid Gallons
TIA02	782	Monetary Amount	R	M	1/10	Not Used
TIA03	449	Fixed Format Information	AN	C	1/80	Not Used
TIA04	380	Quantity	R	M	1/8	Quantity - Cannot be negative
TIA05	355	Unit of Measure Code	ID	M	2/2	“GA” = Gallons

TIA~5816~~~0~GAn/l

Tax Information and Amount Segment

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5817” = Net Taxable Gallons
TIA02	782	Monetary Amount	R	M	1/10	Not Used
TIA03	449	Fixed Format Information	AN	C	1/80	Not Used
TIA04	380	Quantity	R	M	1/8	Quantity
TIA05	355	Unit of Measure Code	ID	M	2/2	“GA” = Gallons

TIA~5817~~~0~GAn/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5818” = Tax Rate for Jurisdiction
TIA02	782	Monetary Amount	R	M	6/6	Tax Rate - Cannot be negative

TIA~5818~0.1600n/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5819” = Tax (credit) Due
TIA02	782	Monetary Amount	R	M	4/11	Tax (credit) Amount Due

TIA~5819~0.00n/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5820” = Interest Due
TIA02	782	Monetary Amount	R	M	4/11	Interest Amount Due – Cannot be negative

TIA~5820~0.00n/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5821” = Total Due/Overpayment
TIA02	782	Monetary Amount	R	M	4/11	Total Amt. Due/Overpayment

TIA~5821~0.00n/l

Form Group Segment (Required)

The FGS begins a looping process for each line on the schedule.

DE	Reference	Element Type	Attribute	Status	Length	Description
FGS01	350	Assigned ID	AN	M	2/2	Jurisdiction Code

FGS~TXn/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5822” = Total IFTA Miles
TIA02	782	Monetary Amount	R	M	1/10	Not Used
TIA03	449	Fixed Format Information	AN	C	1/80	Not Used
TIA04	380	Quantity	R	M	1/8	Quantity - Cannot be negative
TIA05	355	Unit of Measure Code	ID	M	2/2	“DH” = Miles

TIA~5822~~~9000~DHn/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5814” = Taxable Miles
TIA02	782	Monetary Amount	R	M	1/10	Not Used
TIA03	449	Fixed Format Information	AN	C	1/80	Not Used
TIA04	380	Quantity	R	M	1/8	Quantity - Cannot be negative
TIA05	355	Unit of Measure Code	ID	M	2/2	“DH” = Miles

TIA~5814~~~9000~DHn/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5815” = Taxable Gallons
TIA02	782	Monetary Amount	R	M	1/10	Not Used
TIA03	449	Fixed Format Information	AN	C	1/80	Not Used
TIA04	380	Quantity	R	M	1/8	Quantity - Cannot be negative
TIA05	355	Unit of Measure Code	ID	M	2/2	“GA” = Gallons

TIA~5815~~~1692~GAn/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5816” = Tax Paid Gallons
TIA02	782	Monetary Amount	R	M	1/10	Not Used
TIA03	449	Fixed Format Information	AN	C	1/80	Not Used
TIA04	380	Quantity	R	M	1/8	Quantity - Cannot be negative
TIA05	355	Unit of Measure Code	ID	M	2/2	“GA” = Gallons

TIA~5816~~~0~GAn/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5817” = Net Taxable Gallons
TIA02	782	Monetary Amount	R	M	1/10	Not Used
TIA03	449	Fixed Format Information	AN	C	1/80	Not Used
TIA04	380	Quantity	R	M	1/8	Quantity
TIA05	355	Unit of Measure Code	ID	M	2/2	“GA” = Gallons

TIA~5817~~~1692~GAn/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5818” = Tax Rate for Jurisdiction
TIA02	782	Monetary Amount	R	M	6/6	Tax Rate - Cannot be negative

TIA~5818~0.1500n/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5819” = Tax (credit) Due
TIA02	782	Monetary Amount	R	M	4/11	Tax (credit) Amount Due

TIA~5819~253.80n/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5820” = Interest Due
TIA02	782	Monetary Amount	R	M	4/11	Interest Amount Due - Cannot be negative

TIA~5820~0.00n/l

Tax Information and Amount Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
TIA01	817	Tax Information ID Number	AN	M	4/4	“5821” = Total Due/Overpayment
TIA02	782	Monetary Amount	R	M	4/11	Total Amt. Due/Overpayment

TIA~5821~253.80n/l

Transaction Set Trailer Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
SE01	96	Number of Segments	NO	M	1/10	Count of Segments within this 813
SE02	329	Transaction Set Control Number	AN	M	4/9	Determined by Filer (must equal ST Segment)

SE~74~1000n/1

Functional Group Trailer Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
GE01	097	Number of Transaction Sets	NO	M	1/6	Total ST/SE
GE02	028	Group Control Number	NO	M	1/9	Assigned by Sender – Must equal GS06

GE~1~2n/1

Interchange Control Trailer Segment (Required)

DE	Reference	Element Type	Attribute	Status	Length	Description
IEA01	I16	Number of Functional Groups	NO	M	1/5	Total GS/GE
IEA02	I12	I/C Control Number	NO	M	9/9	Assigned by sender - Must equal ISA13

IEA~1~000000093

Attribute Conventions

Status (RD): Defines how the data element is used in a segment.

- M: Mandatory data element: This element is required to appear in the segment.
- O: Optional data element: The appearance of this data element is at the option of the sending party or is based on a mutual agreement of the interchange parties.
- C: Conditional data element: Conditions may exist between two or more data elements. If one is present the other/s is required.

Element Type

- Nn (Numeric): Indicates a numeric element, and n indicates the decimal places to the right of a fixed, implied decimal point. N0 (N Zero) is a numeric with no decimal places.
- R (Decimal-Real): The decimal point is optional for integer values, but is required for fractional values. For negative values, the leading minus (-) sign is used. Absence of this sign indicates a positive value. The plus (+) sign should not be transmitted.
- ID (Identifier): An identifier data element must always contain a value from a predefined list of values that is maintained by ASC X12 or by other bodies that are recognized by ASC X12.
- AN (String): A string (Alphanumeric) is a sequence of any characters from the basic or extended character sets. It must contain at least one non-space character. The significant characters must be left justified. Leading spaces, if any, are assumed to be significant. Trailing spaces should be suppressed.
- DT (Date): Format for the date type is CCYYMMDD. CC is the century digits of the year (ex. 19, 20). YY is the last 2 digits of the year (00-99), MM is the numeric value of the month (01-12), and DD for the day (01-31).
- TM (Time): Format for the time type is HHMMSS, expressed in 24-hour clock format. HH is the numeric value for hour (00-23), MM for minute (00-59), and SS for second (00-59).

Acronym Glossary

- DFI: Depository Financial Institution