



Tower Automotive North American EDI

IMPLEMENTATION GUIDELINES FOR AIAG (ANSI ASC X12)
MATERIAL RELEASE TRANSACTION SET

Version 004010

830

Revision 1 – March 2007



Tower ISA/IEA & GS/GE Enveloping

Introduction:

This section outlines the ISA & GS enveloping structure that should be used when communicating with Tower Automotive

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	ISA	Interchange Control Header	M	1		
Must Use	020	GS	Functional Group Header	M	1		
Must Use	030	GE	Functional Group Trailer	O	1		
Must Use	040	IEA	Interchange Control Trailer	O	1		

Segment: **ISA** Interchange Control Header

Loop:
Level: Interchange
Usage: Mandatory
Max Use: 1
Purpose: To start and identify an interchange of zero or more functional groups and interchange-related control segments

Syntax Notes:

Semantic Notes:

- Comments:**
1. When transmitting to or receiving from Tower Automotive, the ISA06 or ISA08 will be used to identify the Tower facility. Tower will use DUNs number to identify each Tower location. Please refer to Appendix A for a list of the Tower location DUNs numbers.
 2. When transmitting to or receiving from Tower Automotive, the ISA06 or ISA08 will be used to identify the Supplier facility. The Supplier's DUNs number must be used to identify the Supplier.
 3. The Interchange ID Qualifier (ISA05 and ISA07) must be 'ZZ'.
 4. **Tower requires the Element Separator, Sub Element Separator and Segment Terminator contain the following values:**

Element Separator:	*	(2A)
Sub Element Separator:		(7C)
Segment Terminator:	~	(7E)

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	ISA01	I01 Authorization Information Qualifier Code to identify the type of information in the Authorization Information 00 No Authorization Information Present (No Meaningful Information in I02)	M ID 2/2
>>	ISA02	I02 Authorization Information Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01) Use spaces	M AN 10/10
>>	ISA03	I03 Security Information Qualifier Code to identify the type of information in the Security Information 00 No Security Information Present (No Meaningful Information in I04)	M ID 2/2
>>	ISA04	I04 Security Information This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03) Use spaces	M AN 10/10
>>	ISA05	I05 Interchange ID Qualifier	M ID 2/2



			Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified	
			ZZ Mutually Defined	
>>	ISA06	I06	Interchange Sender ID Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element	M ID 15/15
>>	ISA07	I05	Interchange ID Qualifier Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified	M ID 2/2
			ZZ Mutually Defined	
>>	ISA08	I07	Interchange Receiver ID Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them	M ID 15/15
>>	ISA09	I08	Interchange Date Date of the interchange	M DT 6/6
>>	ISA10	I09	Interchange Time Time of the interchange	M TM 4/4
>>	ISA11	I10	Interchange Control Standards Identifier Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer	M ID 1/1
			U U.S. EDI Community of ASC X12, TDCC, and UCS	
>>	ISA12	I11	Interchange Control Version Number This version number covers the interchange control segments	M ID 5/5
			00400 Standard Issued as ANSI X12.5-1992	
>>	ISA13	I12	Interchange Control Number A control number assigned by the interchange sender	M N0 9/9
>>	ISA14	I13	Acknowledgment Requested Code sent by the sender to request an interchange acknowledgment (TA1)	M ID 1/1
			0 No Acknowledgment Requested	
>>	ISA15	I14	Test Indicator Code to indicate whether data enclosed by this interchange envelope is test or production	M ID 1/1
			P Production Data	
			T Test Data	
>>	ISA16	I15	Component Element Separator This field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator	M AN 1/1

Segment: **GS** Functional Group Header

Loop:

Level: Interchange

Usage: Mandatory

Max Use: 1

Purpose: To indicate the beginning of a functional group and to provide control information

Syntax Notes:

Semantic Notes:

Comments: A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
>>	GS01	479 Functional Identifier Code	M ID 2/2
		Code identifying a group of application related transaction sets	
>>	GS02	142 Application Sender's Code	M ID 2/12
		Code identifying party sending transmission; codes agreed to by trading partners	
		This code should match the sender code in the ISA segment	
>>	GS03	124 Application Receiver's Code	M ID 2/12
		Code identifying party receiving transmission. Codes agreed to by trading partners	
		This code should match the receiver code in the ISA segment	
>>	GS04	29 Group Date	M DT 8/8
		Date sender generated a functional group of transaction sets.	
>>	GS05	30 Group Time	M TM 4/4
		Time (HHMM) when the sender generated a functional group of transaction sets (local time at sender's location).	
>>	GS06	28 Group Control Number	M N0 1/9
		Assigned number originated and maintained by the sender	
>>	GS07	455 Responsible Agency Code	M ID 1/2
		Code used in conjunction with Data Element 480 to identify the issuer of the standard	
		Use "X"	
		X	ANSI X12
>>	GS08	480 Version / Release / Industry Identifier Code	M ID 1/12
		Code indicating the version, release, subrelease and industry identifier of the EDI standard being used. Positions 1-3, version number; positions 4-6, release and subrelease level of version; positions 7-12, industry or trade association identifier (optionally assigned by user).	
		Use "004010"	
		004010	Version 004, Release 10

Segment: **GE** Functional Group Trailer

Loop:

Level: Interchange

Usage: Mandatory

Max Use: 1

Purpose: To indicate the end of a functional group and to provide control information

Syntax Notes:

Semantic Notes:

Comments: The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	GE01	97 Number of Transaction Sets Included	M N0 1/6 Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element
>>	GE02	28 Group Control Number	M N0 1/9 Assigned number originated and maintained by the sender This must be the same control number as in element GS06.

Segment: **IEA** Interchange Control Trailer

Loop:

Level: Interchange

Usage: Mandatory

Max Use: 1

Purpose: To define the end of an interchange of zero or more functional groups and interchange-related control segments

Syntax Notes:

Semantic Notes:

Comments: The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	IEA01	I16 Number of Included Functional Groups	M N0 1/5
		A count of the number of functional groups included in an interchange	
>>	IEA02	I12 Interchange Control Number	M N0 9/9
		A control number assigned by the interchange sender	
		This must be the same as the control number in ISA13.	



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Functional Group ID=**PS**

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat	Notes and Comments
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BFR	Beginning Segment for Planning Schedule	M	1		
LOOP ID - N1						200	
Must Use	230	N1	Name	O	1		
	280	PER	Administrative Communications Contact	O	3		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat	Notes and Comments
LOOP ID - LIN						>1	
Must Use	010	LIN	Item Identification	M	1		
Must Use	020	UIT	Unit Detail	O	1		
	230	ATH	Resource Authorization	O	20		
LOOP ID - FST						>1	
Must Use	410	FST	Forecast Schedule	O	1		n1
LOOP ID - SHP						25	
Must Use	470	SHP	Shipped/Received Information	O	1		
	480	REF	Reference Identification	O	5		

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat	Notes and Comments
Must Use	010	CTT	Transaction Totals	O	1		n2
Must Use	020	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

- At least one occurrence of segment FST is required, either in the FST loop or within the SDP loop. These two loops are mutually exclusive.
- Number of line items (CTT01) is the accumulation of the number of LIN segments. If used, hash total (CTT02) is the sum of the values of the quantities (FST01) for each FST segment.

Segment: **ST** Transaction Set Header

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:

ST*830*160001

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
>>	ST01	143 Transaction Set Identifier Code Code uniquely identifying a Transaction Set Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 3/3
>>	ST02	329 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	M AN 4/9

Segment: **BFR** Beginning Segment for Planning Schedule

Loop:

Level: Heading

Usage: Mandatory

Max Use: 1

Purpose: To indicate the beginning of a planning schedule transaction set; whether a ship or delivery based forecast; and related forecast envelope dates

Syntax Notes: 1 At least one of BFR02 or BFR03 is required.

Semantic Notes: 1 BFR02 is the identifying number for a forecast assigned by the orderer/purchaser.

2 BFR06 is the forecast horizon start date: The date when the forecast horizon (envelope) begins.

3 BFR07 is the forecast horizon end date: The date when the forecast horizon (envelope) ends.

Comments:

BFR*05**24*DL*C*20070108*20070402*20070108

Data Element Summary

Ref Des.	Data Element	Name	Attributes
>> BFR01	353	Transaction Set Purpose Code Code identifying purpose of transaction set 05 Replace	M ID 2/2
>> BFR03	328	Release Number Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction.	M AN 1/30
>> BFR04	675	Schedule Type Qualifier Code identifying the type of dates used when defining a shipping or delivery time in a schedule or forecast DL Delivery Based	M ID 2/2
>> BFR05	676	Schedule Quantity Qualifier Code identifying the type of quantities used when defining a schedule or forecast C Cumulative Quantities	M ID 1/1
>> BFR06	373	Date Date expressed as CCYYMMDD Horizon Start Date	M DT 8/8
>> BFR07	373	Date Date expressed as CCYYMMDD Horizon End Date	M DT 8/8
>> BFR08	373	Date Date expressed as CCYYMMDD Generation Date	M DT 8/8
BFR11	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser Purchase Order Number is transmitted in this data element if the same Purchase Order Number applies for all parts on this release.	O AN 1/22

Segment: **N1** Name

Loop: N1 Mandatory

Level: Heading

Usage: Mandatory

Max Use: 1

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

- Syntax Notes:**
- 1 At least one of N102 or N103 is required.
 - 2 If either N103 or N104 is present, then the other is required.

Semantic Notes:

- Comments:**
- 1 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.

N1*ST**1*123456789

N1*SU**1*987654321

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
>>	N101	98 Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual ST Ship To SU Supplier/Manufacturer	M ID 2/3
>>	N103	66 Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 1 D-U-N-S Number, Dun & Bradstreet - Recommended 92 Assigned by Buyer	M ID 1/2
>>	N104	67 Identification Code Code identifying a party or other code DUNS Number or Buyer Assigned ID	M AN 2/80

Segment: **PER** Administrative Communications Information

Loop: N1 Mandatory

Level: Heading

Usage: Optional

Max Use: 3

Purpose: To identify a person or office to whom administrative communications should be directed.

Syntax Notes: 1 If either PER03 or PER04 is present, then the other is required.

Semantic Notes:

Comments:

PER*EX*CONTACT PLANT*TE*5551234

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
>> PER01	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named EX Expeditor	M ID 2/2
>> PER02	93	Name Free-form name	O ID 1/60
>> PER03	365	Communication Number Qualifier Code identifying the type of communication number TE Telephone	X AN 2/2
>> PER04	364	Communication Number Complete communications number including country or area code when applicable The telephone number of the contact person.	X AN 1/80

Segment: **LIN** Item Identification

Loop: LIN Mandatory

Level: Detail

Usage: Mandatory

Max Use: 1

Purpose: To specify basic item identification data

Syntax Notes: 1 If either LIN04 or LIN05 is present, then the other is required.

Semantic Notes: 1 LIN01 is the line item identification

Comments: 1 See the Data Dictionary for a complete list of IDs.

LIN**BP*6034866*PO*TWR2007*RN*20070312-001

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
>> LIN02	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) BP Buyer's Part Number	M ID 2/2
>> LIN03	234	Product/Service ID Identifying number for a product or service Buyer's Part Number	M AN 1/48
LIN04	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) PO Purchase Order Number	M ID 2/2
LIN05	234	Product/Service ID Identifying number for a product or service If LIN04 is PO, LIN05 should be the Purchase Order Number	M AN 1/48
LIN06	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) RN Release Number	M ID 2/2
LIN07	234	Product/Service ID Identifying number for a product or service If LIN04 is PO, LIN05 should be the Purchase Order Number This is the Tower Release Number for this part.	M AN 1/48

Segment: **UIT** Unit Detail
Loop: LIN Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify item unit data
Syntax Notes: 1 If UIT03 is present, then UIT02 is required.
Semantic Notes:
Comments:

UIT*EA

Data Element Summary

Ref. Des.	Data Element	Name	
>> UIT01	355	Composite Unit of Measure To identify a composite unit of measure Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to AIAG element dictionary for acceptable codes values.	M

Segment: **ATH** Resource Authorization
Loop: LIN Mandatory
Level: Detail
Usage: Optional
Max Use: 20
Purpose: To specify resource authorizations (i.e., finished labor, material, etc.) in the planning schedule

Syntax Notes:

- 1 At least one of ATH02 or ATH03 is required.
- 2 If ATH03 is present, then ATH05 is required.
- 3 If ATH04 is present, then ATH05 is required.

Semantic Notes:

- 1 ATH02 is the resource authorization through date: The date through which the buyer authorizes the seller to commit the resource defined in element ATH01.
- 2 ATH03 is the current cumulative requirement quantity: The cumulative quantity that has been authorized to date from the cumulative start date (ATH05) through the resource authorization through date (ATH02).
- 3 ATH05 is the cumulative start date: The date where the cumulative quantity count starts. This date might be the start date of a contract period, a calendar or fiscal year, or other.

Comments:

- 1 It is imperative that negotiations defining financial commitment have previously occurred and are agreed to by both buyer and seller.
- 2 ATH04 is the maximum cumulative requirement quantity: The maximum cumulative quantity that has been authorized to date from the cumulative start date (ATH05) through the resource authorization through date (ATH02). This is a high water mark. If the forecast decreases, the current cumulative requirement quantity also decreases, but the maximum cumulative requirement quantity does not decrease.

ATH*FI*20070402*7000**20070108
 ATH*MT*20070402*12000**20070108
 ATH*PQ*20070402*6000**20070108

Data Element Summary

Ref. Des.	Data Element	Name	
>> ATH01	672	Resource Authorization Code Code identifying the resource which the buyer is authorizing the seller to commit to	M ID 2/2
		FI Finished (Labor, Material, and Overhead/Burden)	
		MT Material	
		PQ Cumulative Quantity Required Prior to First Schedule Period	
ATH02	373	Date Date expressed as CCYYMMDD Resource Authorization Through Date	X DT 8/8



Ref. Des.	Data Element	Name	
ATH03	380	Quantity	X R 1/15
		Numeric value of quantity If ATH01 is "PQ" then this data element is the cum quantity required prior to the first scheduled period. If ATH01 = "MT", sum total of "RAW" authorization for all Ultimate Destinations within this part/model year loop If ATH01 = "FI", sum total of "FAB" authorization for all Ultimate Destination locations within this part/model year loop	
ATH05	373	Date	X DT 8/8
		Date expressed as CCYYMMDD This data element contains the cumulative start date.	

Segment: **FST** Forecast Schedule

Loop: FST Mandatory

Level: Detail

Usage: Mandatory

Max Use: 1

Purpose: To specify the forecasted dates and quantities

Syntax Notes: 1 If either FST06 or FST07 is present, then the other is required.

2 If either FST08 or FST09 is present, then the other is required.

Semantic Notes: 1 If FST03 equals "F" (indicating flexible interval), then FST04 and FST05 are required. FST04 would be used for the start date of the flexible interval and FST05 would be used for the end date of the flexible interval.

Comments: 1 As qualified by FST02 and FST03, FST04 represents either a discrete forecast date, the first date of a forecasted bucket (weekly, monthly, quarterly, etc.) or the start date of a flexible interval.

FST*400*D*D*20070205

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
>>	FST01	380	Quantity Numeric value of quantity	M R 1/15
>>	FST02	680	Forecast Qualifier Code specifying the sender's confidence level of the forecast data or an action associated with a forecast C Firm D Planning	M ID 1/1
>>	FST03	681	Forecast Timing Qualifier Code specifying interval grouping of the forecast D Discrete	M ID 1/1
>>	FST04	373	Date Date expressed as CCYYMMDD	M DT 8/8

Segment: **SHP** Shipped/Received Information

Loop: SHP Mandatory

Level: Detail

Usage: Mandatory

Max Use: 1

Purpose: To specify shipment and/or receipt information

- Syntax Notes:**
- 1 If SHP01 is present, then SHP02 is required.
 - 2 If SHP03 is present, then at least one of SHP04 or SHP05 is required.
 - 3 If SHP04 is present, then SHP03 is required.

Semantic Notes: 1 SHP04 is the date shipped, delivered, received, or the cumulative quantity start date (as qualified by SHP03).

2 SHP06 is the cumulative quantity end date.

- Comments:**
- 1 The SHP segment is used to communicate shipment, delivery, or receipt information and may include discrete or cumulative quantities, dates, and times.
 - 2 If SHP01 equals "02", "07", "08", "09", or "10" (indicating cumulative quantities), then SHP04 and SHP06 are required to identify the start and end dates of the quantity count.

SHP*01*250*050*20071117

SHP*02*22500*051*20071117

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
SHP01	673	Quantity Qualifier	O ID 2/2
		Code specifying the type of quantity	
		01 Discrete Quantity	
		02 Cumulative Quantity	
>>	SHP02	380 Quantity	M R 1/15
		Numeric value of quantity	
>>	SHP03	374 Date/Time Qualifier	M ID 3/3
		Code specifying type of date or time, or both date and time	
		050 Discrete Received	
		051 Cumulative Received	
>>	SHP04	373 Date	M DT 8/8
		Date expressed as CCYYMMDD	

Segment: **REF** Reference Identification

Loop: SHP Mandatory

Level: Detail

Usage: Optional

Max Use: 5

Purpose: To specify identifying information

Syntax Notes: 1 At least one of REF02 or REF03 is required.

Semantic Notes:

REF*SI*11212111

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
>> REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification SI Shipper's Identifying Number for Shipment (SID)	M ID 2/3
>> REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier This data element indicates the shipper's identifying number for the shipment (SID).	M AN 1/30

Segment: **CTT** Transaction Totals

Loop:

Level: Summary

Usage: Mandatory

Max Use: 1

Purpose: To transmit a hash total for a specific element in the transaction set

Syntax Notes: 1 If either CTT03 or CTT04 is present, then the other is required.

Semantic Notes:

Comments: 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
>>	CTT01	354	Number of Line Items Total number of line items in the transaction set	M N0 1/6
	CTT02	347	Hash Total Sum of values of the specified data element.	O R 1/10

Segment: **SE** Transaction Set Trailer

Loop:

Level: Summary

Usage: Mandatory

Max Use: 1

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

Syntax Notes:

Semantic Notes:

Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
>> SE01	96	Number of Included Segments	M N0 1/10
		Total number of segments included in a transaction set including ST and SE segments	
>> SE02	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	



SAMPLE DATA FILE

ISA*00* *00* *ZZ*987654321 *ZZ*123456789 *070306*1601*U*00400*000000070*0*P*|
GS*PS*987654321*123456789*20070306*1601*70*X*004010
ST*830*700001
BFR*05*2329**DL*C*20070306*20080306*20070306
N1*ST**1*987654321
N1*SU**92*123456789
LIN**BP*1TWRPARTNO*PO*2TWRPO*RN*20070312-001
UIT*EA
ATH*PQ*20070305*26666**20061229
FST*27098*D*D*20070307
FST*27638*D*D*20070308
FST*28070*D*D*20070309
FST*28610*D*D*20070312
FST*29150*D*D*20070313
FST*29690*D*D*20070314
FST*30338*D*D*20070315
FST*31094*D*D*20070316
FST*31742*D*D*20070319
FST*32390*D*D*20070320
FST*33146*D*D*20070321
FST*33794*D*D*20070322
FST*34442*D*D*20070323
FST*35090*D*D*20070326
FST*35738*D*D*20070327
FST*36170*D*D*20070328
FST*36602*D*D*20070329
FST*37034*D*D*20070330
FST*40598*D*D*20070402
FST*43946*D*D*20070411
FST*46754*D*D*20070418
FST*49994*D*D*20070425
FST*53234*D*D*20070502
FST*56582*D*D*20070509
FST*60038*D*D*20070516
FST*62954*D*D*20070522
FST*65438*D*D*20070530
SHP*01*108*050*20070306
REF*SI*954171
SHP*02*26666*051*20061229
CTT*1*440100
SE*38*321654
GE*1*70
IEA*1*000000070

Appendix A

Tower Location List:

LOCATION	QUALIFIER	ID
Tower Auburn	ZZ	006407126
Tower Bardstown	ZZ	879719912
Tower Bellevue	ZZ	623470416
Tower Bluffton	ZZ	045244985
Tower Chicago	ZZ	139890557
Tower Clinton	ZZ	928966266
Tower Elkton	ZZ	005398615
Tower Madison	ZZ	009348384
Tower Meridian	ZZ	779947717
Tower Plymouth	ZZ	956723399
Tower Smyrna	ZZ	139890615
Tower Traverse City	ZZ	877233502



Appendix B

Contact Information:

Tower IT Contact information:

IT Helpdesk:

Phone: 877-999-4877

Email: it.helpdesk@towerautomotive.com