UNIFORM MORTGAGE DATA PROGRAM





Fannie Mae and Freddie Mac Uniform Appraisal Dataset Specification

Appendix E: PDF Rendering and Parsing Instructions

Document Version 1.4

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Document Version and Revision History

Date	Version #	Description
12/16/2010	1.0	Initial version
2/18/2011	1.1	Updated Introduction and Purpose with:
		Note about permitting commas in money and numeric fields only on PDFs
		Note about requiring "UAD Version 9/2011" in document footer
08/11/2011 1.2 • Clarified allocated field length usage on pg. 4		Clarified allocated field length usage on pg. 4
		• Corrected missing semicolons on pgs 31 & 32
11/5/2013	1/5/2013 • Added rendering instructions for Design (Style)	
		Added rendering instructions Garage/Carport
11/22/2013	1.4	Added additional examples for Design (Style)

Introduction and Purpose

Appendix E – PDF Rendering and Parsing Instructions

The GSEs standardized many data fields on the GSE Appraisal Forms referenced in Appendix A: GSE Appraisal Forms Mapping. In certain cases more than one data point will be populated in a single field on the Appraisal Form. This appendix provides developers a structure for correctly rendering and parsing the multiple data point fields within the PDF version of the Appraisal Forms.

This document is focused only on the fields that combine multiple data points into a single field and does not provide details on the remaining fields. For additional information on the MISMO[®] XML-based structure and data format see Appendix A: GSE Appraisal Forms Mapping. For more information on GSE data standards and appraiser guidance see Appendix D: Field-Specific Standardization Requirements.

An index is included to easily reference Data Point Names in this document. All *Data Point Names* are represented in bold italics, to clearly identify them throughout the document.

The parsing instructions represent an ideal case based on correctly rendered data in the PDF and do not cover all scenarios.

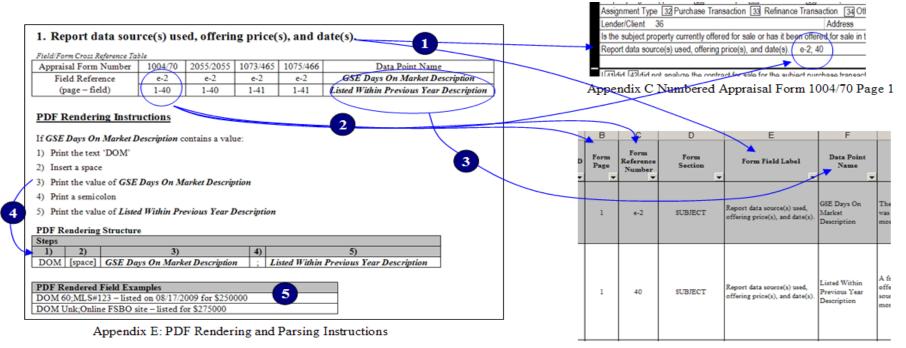
Please note the following:

- Commas are permitted in money or numeric fields ONLY on PDFs.
- For appraisal reports prepared using the Uniform Appraisal Dataset (UAD) specification, the PDF must be noted with the UAD version that was utilized in the preparation. The following notation "UAD Version 9/2011" must appear at the bottom of each page in the bottom margin with placement to the left of the page number. For example:



• Form field length for PDF rendering must not exceed the allocated field length for the XML as specified in Appendix A: GSE Appraisal Forms Mapping.

How to Use this Document



Appendix A: GSE Appraisal Forms Mapping Appraisal Form 1004/70

This example applies to both the PDF Rendering and Parsing Instructions

- 1 The title of each numbered section in this document references a field in the Appraisal Form and the Form Field Label in Appendix A.
- 2 The Field/Form Cross Reference Table refers to the numbered field entries in the Appraisal Form in Appendix C as they relate to the Form Page and Form Reference Number in Appendix A.
- 3 The Data Point Name in Appendix E relates to the corresponding Data Point Name in Appendix A. The Field Reference associated with the Data Point Name in Appendix E directly relates to the Form Page and Form Reference Number in Appendix A.
- 4 The PDF Rendering and Parsing Instructions are provided in steps and are laid out visually in the corresponding PDF Rendering Structure or Parsing Example table, which includes details of the components of the contents of the field.
- 5 The PDF Rendered Field Examples or Parsing Examples are included to demonstrate how an example will look either printed on the Appraisal Forms or parsed for XML.

1. Report data source(s) used, offering price(s), and date(s).

Field/Form Cross Reference Table

Appraisal Form Number	1004/70	2055/2055	1073/465	1075/466	Data Point Name
Field Reference	e-2	e-2	e-2	e-2	GSE Days On Market Description
(page – field)	1-40	1-40	1-41	1-41	Listed Within Previous Year Description

PDF Rendering Instructions

If GSE Days On Market Description contains a value:

- 1) Print the text 'DOM'
- 2) Insert a space
- 3) Print the value of GSE Days On Market Description
- 4) Print a semicolon
- 5) Print the value of Listed Within Previous Year Description

PDF Rendering Structure

Steps				
1)	2)	3)	4)	5)
DOM	[space]	GSE Days On Market Description	;	Listed Within Previous Year Description

PDF Rendered Field Examples
DOM 60;MLS#123 – listed on 08/17/2009 for \$250000
DOM Unk;Online FSBO site – listed for \$275000

If GSE Days On Market Description does not contain a value:

1) Print the value of Listed Within Previous Year Description

PDF Rendering Structure

Ste	ep				
	1)				
Lis	ted Within Previous Year Description				

PDF Rendered	Field Example	
MLS - no prior	offerings	

Parsing Instructions

If the first three characters in the field are 'DOM':

- 1) Move the content after 'DOM' and before the first semicolon to *GSE Days On Market Description* (for the Subject Property, Property Sequence Identifier = '0')
- 2) Move all content after the semicolon to Listed Within Previous Year Description

PDF Rendered Field Examples			
DOM 60;MLS#123 – listed on 08/17/2009 for \$250000			
DOM Unk;Online FSBO site – listed for \$275000			

Parsing Examples

Steps	1)	2) Listed Within Previous Year Description		
Data Point	GSE Days On Market Description			
Value	60	MLS#123 – listed on 08/17/2009 for \$250000		
Value	Unk	Online FSBO site – listed for \$275000		

If the first three characters in the field are not 'DOM':

1) Assign all content to Listed Within Previous Year Description

PDF Rendered Field Example	
MLS – no prior offerings	

Parsing Example

Step	1)		
Data Point	Listed Within Previous Year Description		
Value	MLS – no prior offerings		

2. Explain the results of the analysis of the contract for sale or why the analysis was not performed.

Field/Form Cross Reference Table

Appraisal Form Number	1004/70	2055/2055	1073/465	1075/466	Data Point Name
Field Reference	e-3	e-3	e-3	e-3	GSE Sale Type
(page – field)	1-43	1-43	1-44	1-44	Sales Contract Review Comment

The following list provides the allowable values for the GSE Sale Type data point.

GSE Sale Type				
XML Allowable Value	PDF Rendered Value			
REOSale	REO sale			
ShortSale	Short sale			
CourtOrderedSale	Court ordered sale			
EstateSale	Estate sale			
RelocationSale	Relocation sale			
NonArmsLengthSale	Non-arms length sale			
ArmsLengthSale	Arms length sale			

PDF Rendering Instructions

- 1) Print the value of *GSE Sale Type* using the PDF Rendered Value above. For example, if *GSE Sale Type* = 'ArmsLengthSale', then print 'Arms length sale'.
- 2) Print a semicolon
- 3) Print the value of Sales Contract Review Comment

PDF Rendering Structure

Steps		
1)	2)	3)
GSE Sale Type	;	Sales Contract Review Comment

PDF Rendered Field Example
Arms length sale;Contract is typical for the area.

Parsing Instructions

The text before the first semicolon must be one of the enumerated PDF Rendered Values from the GSE Sale Type table.

- 1) Assign the equivalent XML Allowable Value to GSE Sale Type
- 2) Assign all text after the semicolon to Sales Contract Review Comment

PDF Rendered Field Example	
Arms length sale;Contract is typical for the area.	

Parsing Example

Steps	1)	2)
Data Point	GSE Sale Type	Sales Contract Review Comment
Value	ArmsLengthSale	Contract is typical for the area.

3. If Yes, report the total dollar amount and describe the items to be paid.

Field/Form Cross Reference Table

Appraisal Form Number	1004/70	2055/2055	1073/465	1075/466	Data Point Name
Field Reference (page – field)	1-51a	1-51a	1-52a	1-52a	Sales Concession Amount
	e-4	e-4	e-4	e-4	GSE Undefined Concession Amount Indicator
	1-51b	1-51b	1-52b	1-52b	Sales Concession Description

GSE Undefined Concession Amount Indicator				
XML Allowable Value	PDF Rendered Value			
Y	There is a financial assistance amount that is unknown.			
N				

PDF Rendering Instructions

If *Sales Concession Amount* is populated:

- 1) Print a dollar sign '\$'
- 2) Print the value of Sales Concession Amount
- 3) Print a semicolon
- 4) If the value of *GSE Undefined Concession Amount Indicator* is 'Y', then print the sentence: 'There is a financial assistance amount that is unknown.' Leave blank if the value of *GSE Undefined Concession Amount Indicator* is 'N'.
- 5) Print a semicolon
- 6) Print the value of Sales Concession Description

PDF Rendering Structure

Step	Steps					
1)	2)	3)	4)	5)	6)	
\$	Sales Concession Amount	;	There is a financial assistance amount that is unknown. [OR leave blank]	;	Sales Concession Description	

F	PDF Rendered Field Examples				
1	\$5000; There is a financial assistance amount that is unknown.; Down payment assistance, plus furniture of unknown value.				
2	\$5000;;Down payment assistance.				
7	\$ \\$0				

If *Sales Concession Amount* is not populated:

- 1) Print a semicolon
- 2) If the value of *GSE Undefined Concession Amount Indicator* is 'Y', then print the sentence: 'There is a financial assistance amount that is unknown.' Leave blank if the value of *GSE Undefined Concession Amount Indicator* is 'N'.
- 3) Print a semicolon
- 4) Print the value of Sales Concession Description

PDF Rendering Structure

Step	Steps				
1)	2)	3)	4)		
;	There is a financial assistance amount that is unknown. [OR leave blank]	;	Sales Concession Description		

PDF Rendered Field Example

;There is a financial assistance amount that is unknown.;The contract states, "Seller will pay 3% of closing costs", exact closing costs are unknown.

Parsing Instructions

If the first character is a dollar sign '\$':

- 1) Assign the number prior to the first semicolon to Sales Concession Amount
- 2) If the text immediately after the first semicolon is 'There is a financial assistance amount that is unknown.', then assign to **GSE Undefined Concession Amount Indicator** a value of 'Y'; otherwise, assign a value of 'N'
- 3) Assign all text after the second semicolon to Sales Concession Description

PDF Rendered Field Examples

\$5000; There is a financial assistance amount that is unknown.; Down payment assistance, plus furniture of unknown value.

\$5000;;Down payment assistance.

\$0;;

Parsing Examples

1 utom5 Litumpico						
Steps	1)	2)	3)			
Data Point	Sales Concession Amount	GSE Undefined Concession Amount Indicator	Sales Concession Description			
Value	5000	Y	Down payment assistance, plus furniture of unknown value.			
Value	5000	N	Down payment assistance.			
Value	0	N				

If the first character in this field is not a dollar sign '\$':

- 1) If the text after the first semicolon is 'There is a financial assistance amount that is unknown.', then assign to *GSE Undefined Concession Amount Indicator* a value of 'Y'; otherwise, assign a value of 'N'
- 2) Assign all remaining text after the second semicolon to Sales Concession Description

PDF Rendered Field Example

;There is a financial assistance amount that is unknown.;The contract states, "Seller will pay 3% of closing costs", exact closing costs are unknown.

Parsing Example

Steps	1)	2)	
Data Point	GSE Undefined Concession Amount Indicator	Sales Concession Description	
Value	Y	The contract states, "Seller will pay 3% of closing costs", exact closing costs are unknown.	

4. View

Field /Form Cross Reference Table

Appraisal Form Number	1004/70	2055/2055	1073/465	1075/466	Data Point Name
Field Reference (page – field)	e-5	e-5	e-5	e-5	GSE View Overall Rating Type
	e-6	e-6	e-6	e-6	GSE View Type
(page – field)	e-7	e-7	e-7	e-7	GSE View Type Other Description

The following lists provide the allowable values for the extension fields related to View. The PDF Rendered Values differ from their XML data equivalents to fit in the provided space.

GSE View Overall Rating Type				
XML Allowable Value	PDF Rendered Value			
Neutral	N			
Beneficial	В			
Adverse	A			

GSE View Type				
XML Allowable Value	PDF Rendered Value			
WaterView	Wtr			
PastoralView	Pstrl			
WoodsView	Woods			
ParkView	Prk			
GolfCourseView	Glfvw			
CityViewSkylineView	CtySky			
MountainView	Mtn			
ResidentialView	Res			
CityStreetView	CtyStr			
IndustrialView	Ind			
PowerLines	PwrLn			
LimitedSight	LtdSght			
Other	[any other value]			

PDF Rendering Instructions

- 1) Print the letter corresponding to the value of GSE View Overall Rating Type
- 2) Print a semicolon
- 3) For the first instance of *GSE View Type* print the corresponding PDF Rendered Value. If *GSE View Type* = 'Other', then print the associated value of *GSE View Type Other Description*.
- 4) Print a semicolon
- 5) [If applicable] For the second instance of *GSE View Type* print the corresponding PDF Rendered Value. If *GSE View Type* = 'Other', then print the associated value of *GSE View Type Other Description*.

PDF Rendering Structure

Steps				
1)	2)	3)	4)	5)
GSE View Overall Rating		GSE View Type -OR-		GSE View Type -OR-
Type	,	GSE View Type Other Description	,	GSE View Type Other Description

PDF Rendered Field Examples	Data	Conditions
N;Woods;LtdSght	Neutral, WoodsView, LimitedSight	Other is not indicated
A;Ind;Smoke	Adverse, IndustrialView, Smoke	Other is indicated once
B;Canyon;Ruins	Beneficial, Canyon, Ruins	Other is indicated twice
N;Res;	Neutral, ResidentialView	Only one view type is indicated, and it is not Other
A;CampGrnd;	Adverse, CampGrnd	Only one view type is indicated, and it is Other

Parsing Instructions

1) The letter before the first semicolon should be one of the enumerated PDF Rendered Values listed for *GSE View Overall Rating Type*. Set the *GSE View Overall Rating Type* to the corresponding XML Allowable Value.

- 2) For the text after the first semicolon:
 - a. If the text after the semicolon is one of the enumerated PDF Rendered Values for *GSE View Type*, then set *GSE View Type* to the corresponding XML Allowable Value.
 - b. If the text after the semicolon is not one of the enumerated PDF Rendered Values for *GSE View Type*, then assign the first instance of *GSE View Type* a value of 'Other' and assign the text to the associated instance of *GSE View Type Other Description*.
- 3) For the text after the second semicolon (if applicable), cycle through the sub-steps in Step 2 above and apply to the second instance of the GSE Data Types

PDF Rendered Field Examples	Data	Conditions
N;Woods;LtdSght	Neutral, WoodsView, LimitedSight	Other is not indicated
A;Ind;Smoke	Adverse, IndustrialView, Smoke	Other is indicated once
B;Canyon;Ruins	Beneficial, Canyon, Ruins	Other is indicated twice
N;Res;	Neutral, ResidentialView	Only one view type is indicated, and it is not Other
A;CampGrnd;	Adverse, CampGrnd	Only one view type is indicated, and it is Other

Parsing Examples

Steps	1)	2a)	2b)	3a)	3b)
Data	GSE View Overall	GSE View	GSE View Type Other	GSE View	GSE View Type Other
Point	Rating Type	<i>Type</i> [1]	Description[1]	Type[2]	Description[2]
Value	Neutral	WoodsView		LimitedSight	
Value	Adverse	IndustrialView		Other	Smoke
Value	Beneficial	Other	Canyon	Other	Ruins
Value	Neutral	ResidentialView			
Value	Adverse	Other	CampGrnd		

5. Year Built

Field/Form Cross Reference Table

Appraisal Form Number	1004/70	2055/2055	1073/465	1075/466	Data Point Name
Form Reference	e-8	e-8	e-8	e-8	GSE Year Built Estimation Indicator
(Page – Field)	1-138	1-146	1-144	1-144	Property Structure Built Year

GSE Year Built Estimation Indicator				
XML Allowable Value	PDF Rendered Value			
Y	~			
N				

PDF Rendering Instructions

If GSE Year Built Estimation Indicator = 'Y':

- 1) Print a tilde '~'
- 2) Print the value of *Property Structure Built Year*

PDF Rendering Structure

Step	ps
1)	2)
~	Property Structure Built Year

PDF Rendered Field Example
~1930

If GSE Year Built Estimation Indicator = 'N':

1) Print the value of *Property Structure Built Year*

PDF Rendered Field Example
1977

Parsing Instructions

If the first character in the field is a tilde '~':

- 1) Set GSE Year Built Estimation Indicator to a value of 'Y'
- 2) Assign the value of the numeric portion of the field to *Property Structure Built Year*

PDF Rendered Field Example	
~1930	

Parsing Example

Steps	1)	2)
Data Point	GSE Year Built Estimation Indicator	Property Structure Built Year
Value	Y	1930

If the first character in the field is not a tilde '~':

- 1) Set GSE Year Built Estimation Indicator to a value of 'N'
- 2) Assign the value of the numeric portion of the field to *Property Structure Built Year*

PDF Rendered Field Example	
1977	

Parsing Example

Steps	1)	2)
Data Point	GSE Year Built Estimation Indicator	Property Structure Built Year
Value	N	1977

6. Describe the condition of the property (including needed repairs, deterioration, renovations, remodeling, etc.)

Field/Form Cross Reference Table

Appraisal Form Number	1004/70	2055/2055	1073/465	1075/466	Data Point Name
	e-9	e-9	e-9	e-9	GSE Overall Condition Type
	e-10		e-10		GSE Update Last Fifteen Year Indicator
Field Reference	e-11		e-11		GSE Improvement Area Type
(page – field)	e-12		e-12		GSE Improvement Description Type
	e-13		e-13		GSE Estimate Year Of Improvement Type
	1-219	1-206	2-88	2-91	Property Analysis Comment

GSE Overall Condition Type
C1
C2
C3
C4
C5
C6

	GSE Improvement Area Type
	Kitchen
ſ	Bathrooms

GSE Improvement Description Type						
XML Allowable Value	PDF Rendered Value					
NotUpdated	not updated					
Updated	updated					
Remodeled	remodeled					

GSE Estimate Year Of Improvement Type							
XML Allowable Value	PDF Rendered Value						
LessThanOneYearAgo	less than one year ago						
OneToFiveYearsAgo	one to five years ago						
SixToTenYearsAgo	six to ten years ago						
ElevenToFifteenYearsAgo	eleven to fifteen years ago						
Unknown	timeframe unknown						

PDF Rendering Instructions

If the value of GSE Update Last Fifteen Year Indicator is 'N':

- 1) Print the value of *GSE Overall Condition Type*
- 2) Print a semicolon
- 3) Print 'No updates in the prior 15 years'
- 4) Print a semicolon
- 5) Print the value of *Property Analysis Comment* if *Property Analysis Type* has the value of 'PropertyCondition'

PDF Rendering Structure

Steps				
1)	2)	3)	4)	5)
GSE Overall Condition Type	;	No updates in the prior 15 years	;	Property Analysis Comment

PDF Rendered Field Example

C3;No updates in the prior 15 years;Property was built recently and has been well maintained.

If the value of GSE Update Last Fifteen Year Indicator is 'Y':

- 1) Print the value of *GSE Overall Condition Type*
- 2) Print a semicolon
- 3) Print 'Kitchen'
- 4) Print a dash '-'
- 5) Print the corresponding PDF Rendered Value of *GSE Improvement Description Type* if the element *GSE Improvement Area Type* has the value of 'Kitchen'
- 6) If the value of *GSE Improvement Description Type* is 'Updated' or 'Remodeled':
 - a. Print a dash '-'
 - b. Print the corresponding PDF Rendered Value of the value of GSE Estimate Year of Improvement Type
- 7) Print a semicolon
- 8) Print 'Bathrooms'

- 9) Print a dash '-'
- 10) Print the corresponding PDF Rendered Value of *GSE Improvement Description Type* if the element *GSE Improvement Area Type* has the value of 'Bathrooms'
- 11) If the value of *GSE Improvement Description Type* is 'Updated' or 'Remodeled':
 - a. Print a dash '-'
 - b. Print the corresponding PDF Rendered Value of the value of GSE Estimate Year of Improvement Type.
- 12) Print a semicolon
- 13) Print the value of *Property Analysis Comment* in the element if *Property Analysis Type* has the value of 'PropertyCondition'

PDF Rendering Structure

Steps						
1)	2)	3)	4)	5)	6a)	6b)
GSE Overall Condition Type	;	Kitchen	-	GSE Improvement Description Type	-	GSE Estimate Year of Improvement Type

Step	Steps (cont.)									
7)	8)	9)	10)	11a)	11b)	12)	13)			
;	Bathrooms	-	GSE Improvement Description Type	-	GSE Estimate Year of Improvement Type	;	Property Analysis Comment			

PDF Rendered Field Examples

C2;Kitchen-remodeled-one to five years ago;Bathrooms-updated-six to ten years ago;The home was built in a historical style and has been brought fully up to modern standards.

C4;Kitchen-updated-timeframe unknown;Bathrooms not updated;It is clear that some components of the kitchen have been replaced, but I was unable to ascertain exactly when. The bathroom is definitely showing its age. The property appears functional, but there are visible signs of wear and tear, e.g. marks on the walls.

Parsing Instructions

If the text between the first and second semicolon is 'No updates in the prior 15 years':

- 1) Assign the value before the first semicolon to populate the value of *GSE Overall Condition Type*
- 2) Assign to *GSE Update Last Fifteen Year Indicator* a value of 'N'
- 3) Assign to *Property Analysis Type* a value of 'PropertyCondition'
- 4) Assign the value after the second semicolon to Property Analysis Comment

PDF Rendered Field Example

C3;No updates in the prior 15 years;Property was built recently and has been well maintained.

Parsing Examples

Steps	1)	2)	3)	4)
Data Point	GSE Overall Condition Type	GSE Update Last Fifteen Year Indicator	Property Analysis Type	Property Analysis Comment
Value	C3	N	PropertyCondition	Property was built recently and has been well maintained.

If the text between the first and second semicolon is not 'No updates in the prior 15 years':

- 1) Assign the value before the first semicolon to populate GSE Overall Condition Type
- 2) Assign GSE Update Last Fifteen Year Indicator a value of 'Y'
- 3) Assign GSE Improvement Area Type the value of 'Kitchen'
- 4) Assign *GSE Improvement Description Type* the appropriate corresponding XML Allowable Value between the first and second dashes
- 5) If GSE Improvement Description Type:

- a. has a value of 'Updated' or 'Remodeled', then look for one of the PDF Rendered Values of *GSE Estimate Year of Improvement Type* between the second dash and following semicolon, and assign it the corresponding XML Allowable Value
- b. has a value of 'NotUpdated', go to next step
- 6) (for the text between the second and third semicolon) Assign *GSE Improvement Area Type* the value of 'Bathrooms'
- 7) (for the text between the second and third semicolon) Assign *GSE Improvement Description Type* the appropriate corresponding XML Allowable Value located between the first and second dash
- 8) (for the text between the second and third semicolon) If GSE Improvement Description Type
 - a. has a value of 'Updated' or 'Remodeled', then look for one of the PDF Rendered Values of *GSE Estimate Year of Improvement Type* between the second dash and following semicolon, and assign it the corresponding XML Allowable Value
 - b. has a value of 'NotUpdated', go to next step
- 9) Assign the value 'Property Condition' to *Property Analysis Type*
- 10) (after the third semicolon) Assign all remaining text to *Property Analysis Comment*

PDF Rendered Field Examples

C2;Kitchen-remodeled-one to five years ago;Bathrooms-updated-six to ten years ago;The home was built in a historical style and has been brought fully up to modern standards.

C4;Kitchen-not updated;Bathrooms-updated-eleven to fifteen years ago;The home has not been substantively improved in the last ten years.

Parsing Examples

Steps	1)	2)	3)	4)	5)
Data	GSE Overall	GSE Update Last	GSE Improvement	GSE Improvement	GSE Estimate Year of
Point	Condition Type	Fifteen Year Indicator	Area Type[1]	Description Type[1]	Improvement Type[1]
Value	C2	Y	Kitchen	Remodeled	OneToFiveYearsAgo
Value	C4	Y	Kitchen	NotUpdated	

Steps	6)	7)	8)	9)	10)
Data Point	GSE Improvement Area Type[2]	GSE Improvement Description Type[2]	GSE Estimate Year of Improvement Type[2]	Property Analysis Type	Property Analysis Comment
Value	Bathrooms	Updated	SixToTenYearsAgo	PropertyCondition	The home was built in a historical style and has been brought fully up to modern standards.
Value	Bathrooms	Updated	ElevenToFifteenYearsAgo	PropertyCondition	The home has not been substantively improved in the last ten years.

7. Address (line 2) / Company Address (line 2)

Field/Form Cross Reference Table

Appraisal Form Number	1004/70	2055/2055	1073/465	1075/466	Data Point Name
			3-12a	3-12a	
			3-51a	3-51a	Unit Identifier
			6-20a	6-20a	
	2-12a	2-12a	3-12b	3-12b	Duan auto Cito
	2-46a	2-46a	3-51b	3-51b	Property City
	2-12b	2-12b	3-12c	3-12c	Duanauty State
	2-46b	2-46b	3-51c	3-51c	Property State
	2-12c	2-12c	3-12d	3-12d	Property Postal Code
Field Reference	2-46c	2-46c	3-51d	3-51d	
(page – field)	6-8a	6-8a	6-8a	6-8a	Appraiser City
(Fuge IIII)	6-20a	6-20a	6-20b	6-20b	
	6-8b	6-8b	6-8b	6-8b	Appraiser State
	6-20b	6-20b	6-20c	6-20c	Appraiser State
	6-8c	6-8c	6-8c	6-8c	Annuais on Postal Codo
	6-20c	6-20c	6-20d	6-20d	Appraiser Postal Code
	6-30a	6-30a	6-30a	6-30a	Supervisor City
	6-30b	6-30b	6-30b	6-30b	Supervisor State
	6-30c	6-30c	6-30c	6-30c	Supervisor Postal Code

The specific data point names vary based on their location on the Appraisal Forms and whether they describe the second address line (line 2) of the subject property, a comparable property, or the appraiser's company address. These instructions apply to the address fields that are concatenated in a single form field. The generic terms *Unit #*, *City*, *State*, and *Postal Code* will be used in lieu of the specific data point names. To differentiate the generic terms from specific data points, the generic terms will be italicized rather than bolded as all other data points in this document.

PDF Rendering Instructions

For the addresses in the sales comparison section (subject and comparables) and appraiser certification section (subject only) of Appraisal Forms 1073/465 and 1075/466:

- 1) Print the value of *Unit* #
- 2) Print a comma and space
- 3) Print the value of *City*
- 4) Print a comma and space
- 5) Print the value of *State*
- 6) Print a space
- 7) Print the value of *Postal Code*

PDF Rendering Structure

Steps						
1)	2)	3)	4)	5)	6)	7)
Unit #	,[space]	City	,[space]	State	[space]	Postal Code

PDF Rendered Field Example	
427B, Madison, WI 53701	

For all other address fields on the Appraisal Forms 1073/465, 1075/466, 1004/70, and 2055/2055, in cases where the *Unit* # does not exist as a separate form field:

- 1) Print the value of *City*
- 2) Print a comma and space
- 3) Print the value of *State*
- 4) Print a space

5) Print the value of *Postal Code*

PDF Rendering Structure

Steps				
1)	2)	3)	4)	5)
City	,[space]	State	[space]	Postal Code

PDF Rendered Field Example	
Madison, WI 53701	

Parsing Instructions

For the addresses in the sales comparison section (subject and comparable) and appraiser certification section (subject only) of the Appraisal Forms 1073/465 and 1075/466:

- 1) Assign the text prior to the first comma to *Unit #*
- 2) Assign the text between the first and second commas to City
- 3) Assign the two letters after the second comma and space to *State*
- 4) Assign all following numeric characters and dashes to Postal Code

PDF Rendered Field Example
427B, Madison, WI 53701-1930

Parsing Example

Steps	1)	2)	3)	4)
Data Point	Unit #	City	State	Postal Code
Value	427B	Madison	WI	53701-1930

For all other address fields on the Appraisal Forms 1073/465, 1075/466, 1004/70, and 2055/2055, in cases where the *Unit* # does not exist as a separate form field:

- 1) Assign the text prior to the comma to City
- 2) Assign the two letters after the first comma and space to *State*
- 3) Assign all following numeric characters and dashes to *Postal Code*

PDF Rendered Field Example
Madison, WI 53701-1930

Parsing Example

Steps	1)	2)	3)	
Data Point	City	State	Postal Code	
Value	Madison	WI	53701-1930	

8. Location

Field/Form Cross Reference Table

Appraisal Form Number	1004/70	2055/2055	1073/465	1075/466	Data Point Name
Eigld Deference	e-14	e-14	e-14	e-14	GSE Overall Location Rating Type
Field Reference (page – field)	e-15	e-15	e-15	e-15	GSE Location Type
(page – field)	e-16	e-16	e-16	e-16	GSE Location Type Other Description

The following lists provide the allowable values for the extension fields related to Location. The PDF Rendered Values differ from their XML data equivalents to fit in the provided space.

GSE Overall Location Rating Type			
XML Allowable Value	PDF Rendered Value		
Neutral	N		
Beneficial	В		
Adverse	A		

GSE Location Type			
XML Allowable Value	PDF Rendered Value		
Residential	Res		
Industrial	Ind		
Commercial	Comm		
BusyRoad	BsyRd		
WaterFront	WtrFr		
GolfCourse	GlfCse		
AdjacentToPark	AdjPrk		
AdjacentToPowerLines	AdjPwr		
Landfill	Lndfl		
PublicTransportation	PubTrn		
Other	[any other value]		

PDF Rendering Instructions

- 1) Print the corresponding PDF Rendered Value of GSE Overall Location Rating Type
- 2) Print a semicolon

- 3) For the first instance of *GSE Location Type* print the corresponding PDF Rendered Value. If *GSE Location Type* = 'Other', print the associated value of *GSE Location Type Other Description*.
- 4) Print a semicolon
- 5) [If applicable] For the second instance of *GSE Location Type* print the corresponding PDF Rendered Value. If *GSE Location Type* = 'Other', print the associated value of *GSE Location Type Other Description*.

PDF Rendering Structure

Steps				
1)	2)	3)	4)	5)
GSE Overall Location Rating Type	;	GSE Location Type -OR- GSE Location Type Other Description	;	GSE Location Type -OR- GSE Location Type Other Description

PDF Rendered Field Examples	Data	Conditions
N;AdjPrk;BsyRd	Neutral, AdjacentToPark, BusyRoad	Other is not indicated
A;Ind;Abattoir	Adverse, Industrial, Abattoir	Other is indicated once
B;gated;culdesac	Beneficial, gated, culdesac	Other is indicated twice
N;Res;	Neutral, Residential	Only one Location type is indicated, and it is not Other
A;CampGrnd;	Adverse, CampGrnd	Only one Location type is indicated, and it is Other

Parsing Instructions

- 1) The letter before the first semicolon must be one of the PDF Rendered Values of *GSE Overall Location Rating Type*. Set the *GSE Overall Location Rating Type* to the corresponding XML Allowable Value.
- 2) If the text after the first semicolon:
 - a. is one of the PDF Rendered Values for *GSE Location Type*, then set *GSE Location Type* to the corresponding XML Allowable Value
 - b. is not one of the PDF Rendered Values for *GSE Location Type*, then assign the first instance of *GSE Location Type* a value of 'Other' and assign the text to the associated instance of *GSE Location Type Other Description*

3) For the text after the second semicolon (if applicable), cycle through the sub-steps in Step 2,making assignments to the correct instance of the data point

PDF Rendered		
Field Examples	Data	Conditions
N;AdjPrk;BsyRd	Neutral, AdjacentToPark, BusyRoad	Other is not indicated
A;Ind;Abattoir	Adverse, Industrial, Abattoir	Other is indicated once
B;gated;culdesac	Beneficial, gated, culdesac	Other is indicated twice
N;Res;	Neutral, Residential	Only one Location type is indicated, and it is not Other
A;CampGrnd;	Adverse, CampGrnd	Only one Location type is indicated, and it is Other

Parsing Examples

	<u> </u>				
Steps	1)	2a)	2b)	3a)	3b)
Data Point	GSE Overall Location Rating Type	GSE Location Type[1]	GSE Location Type Other Description[1]	GSE Location Type[2]	GSE Location Type Other Description[2]
Value	Neutral	AdjacentToPark		BusyRoad	
Value	Adverse	Industrial		Other	Abattoir
Value	Beneficial	Other	gated	Other	culdesac
Value	Neutral	Residential			
Value	Adverse	Other	CampGrnd		

9. Design/Style (Single Family)

Note: while this field will contain more than one piece of information, it will still be mapped to a single location in the UAD MISMO XML. Therefore, the "rendering instructions" are intended for the original creator of the data, and are not specific to the PDF, but apply to any format in which the data is stored.

Field/Form Cross Reference Table

Appraisal Form Number	1004/70	2055/2055	Data Point Name
Field Reference (page – field)	2-24 / 2-66	2-24 / 2-66	Sale Price Adjustment Description

The following list provides the acceptable attachment type abbreviations:

Abbreviation	Attachment Type
AT	Attached Structure, use for row and townhomes that share multiple communal walls
DT	Detached Structure, does not share any communal walls, floor, or ceiling with another property
SD	Semi-detached structure, use for end-unit row and townhomes as well as duplexes

Rendering Instructions

- 1) Print the attachment type abbreviation.
- 2) Print the number of stories (up to two decimal places).
- 3) Print a semicolon ';'.
- 4) The remaining space is free text; print whatever the appraiser writes.

Rendering Structure

1)	2)	3)	4)
[Attachment Type Abbreviation]	[# Stories]	;	[Free Text]

Rendered Field Examples		
DT1.75;CapeCod		
AT2;IntTwnhse		
SD3.5;Duplex		

Design/Style (Condominium)

Note: while this field will contain more than one piece of information, it will still be mapped to a single location in the UAD MISMO XML. Therefore, the "rendering instructions" are intended for the original creator of the data, and are not specific to the PDF, but apply to any format in which the data is stored.

Field/Form Cross Reference Table

Appraisal Form Number	1073/465	1075/466	Data Point Name
Field Reference (page –			Sale Price Adjustment
field)	3-29 / 3-79	3-29 / 3-79	Description

The following list provides the acceptable attachment type abbreviations:

Abbreviation	Attachment Type
DT	Detached Structure, does not share any communal walls, floor, or ceiling
DI	with another property
RT	One in a row of identical houses or having a common wall; attached to
KI	another unit via common wall
GR	Structure is 1-3 stories tall, contains units with communal walls, floors, and
OK	/or ceilings
MR	Structure is 4-7 stories tall, contains units with communal walls, floors,
IVIIX	and/or ceilings
HR	Structure is 8+ stories tall, contains units with communal walls, floors,
	and/or ceilings
0	Other

Rendering Instructions

- 1) Print the attachment type abbreviation.
- 2) Print the number of levels in the unit (whole numbers only).
- 3) Print 'L;' (an uppercase L followed by a semicolon).
- 4) The remaining space is free text; print whatever the appraiser writes.

Rendering Structure

1)	2)	3)	4)
[Attachment Type	[#		[Free
Abbreviation]	Levels]	L;	Text]

Rendered Field Examples
DT1L;SitecondoRamb
RT3L;Twnhse
GR1L;Garden
MR1L;Midrise
HR2L;Penthouse

10. Actual Age

Field/Form Cross Reference Table

Appraisal Form Number	1004/70	2055/2055	1073/465	1075/466	Data Point Name
Field Reference	e-17	e-17	e-17	e-17	GSE Age Estimation Indicator
(page – field)	2-26	2-26	3-31	3-31	Sale Price Adjustment Description
(page – Heid)	2-70	2-70	3-83	3-83	Sale Frice Adjustment Description

GSE Age Estimation Indicator			
XML Allowable Value	PDF Rendered Value		
Y	~		
N			

PDF Rendering Instructions

When Sale Price Adjustment Type = 'Age' and GSE Age Estimation Indicator = 'Y'

- 1) Print a tilde '~'
- 2) Print the value of Sale Price Adjustment Description

PDF Rendering Structure

Step	Steps			
1)	2)			
~	Sale Price Adjustment Description			

PDF Rendered Field Example
~35

When Sale Price Adjustment Type = 'Age' and GSE Age Estimation Indicator = 'N'

1) Print the value of Sale Price Adjustment Description

PDF Rendered Field Example	
35	

Parsing Instructions

If the first character is a tilde '~':

- 1) Set GSE Age Estimation Indicator to a value of 'Y'
- 2) Assign the value 'Age' to Sale Price Adjustment Type
- 3) Assign the value after the tilde to Sale Price Adjustment Description

PDF Rendered Field Example	
~35	

Parsing Example

Steps	1)	2)	3)
Data Point	GSE Age Estimation Indicator	Sale Price Adjustment Type	Sale Price Adjustment Description
Value	Y	Age	35

If the first character is not a tilde '~':

- 1) Set GSE Age Estimation Indicator to a value of 'N'
- 2) Assign the value 'Age' to Sale Price Adjustment Type
- 3) Assign the value of the field to Sale Price Adjustment Description

PDF Rendered Field Example	
35	

Steps	1)	2)	3)
Data Point	GSE Age Estimation Indicator	Sale Price Adjustment Type	Sale Price Adjustment Description
Value	N	Age	35

11. Basement & Finished Rooms Below Grade

Field/Form Cross Reference Table

Titolay Torris Orono Titolo								
Appraisal Form Number	1004/70	2055/2055	1073/465	1075/466	Data Point Name			
	e-18	e-18	e-18	e-18	GSE Below Grade Total Square Feet Number			
	e-19	e-19	e-19	e-19	GSE Below Grade Finish Square Feet Number			
E-14 D-6	e-20	e-20	e-20	e-20	GSE Basement Exit Type			
Field Reference (page – field)	e-21	e-21	e-21	e-21	GSE Below Grade Recreation Room Count			
(page – field)	e-22	e-22	e-22	e-22	GSE Below Grade Bedroom Room Count			
	e-23	e-23	e-23	e-23	GSE Below Grade Bathroom Room Count			
	e-24	e-24	e-24	e-24	GSE Below Grade Other Room Count			

The following instructions reference two lines reflecting the way the information is captured in the Appraisal Forms. Refer to the specific line number for detailed information.

PDF Rendering Instructions

The following list provides the allowable values for the *GSE Basement Exit Type* extension field. The PDF Rendered Values differ from their XML data equivalents to fit in the provided space.

GSE Basement Exit Type				
XML Allowable Value PDF Rendered Value				
WalkOut	wo			
WalkUp	wu			
InteriorOnly	in			

Due to space constraints in the Sales Comparison Grid, do not separate values with spaces or semicolons.

Line 1:

- 1) Print the value of GSE Below Grade Total Square Feet Number,
- 2) Print the text 'sf'. Only continue with the remaining steps if the value of *GSE Below Grade Total Square Feet Number* is greater than zero.,.
- 3) Print the value of GSE Below Grade Finish Square Feet Number
- 4) Print the text 'sf'
- 5) Print the value of GSE Basement Exit Type using the PDF Rendered Value in the list above

Line 2:

Only continue with the remaining steps if the value of *GSE Below Grade Finish Square Feet Number* is greater than zero:

- 1) Print the value of GSE Below Grade Recreation Room Count
- 2) Print the text 'rr'
- 3) Print the value of GSE Below Grade Bedroom Room Count
- 4) Print the text 'br'
- 5) Print the value of GSE Below Grade Bathroom Room Count
- 6) Print the text 'ba'
- 7) Print the value of GSE Below Grade Other Room Count
- 8) Print the text 'o'

Steps	1)	2)	3)	4)	5)	6)	7)	8)
Line	GSE Below Grade Total	c.f	GSE Below Grade Finish	sf	CSE Basement Enit Tune			
1	Square Feet Number	81	Square Feet Number	81	GSE Basement Exit Type			
Line	GSE Below Grade	444	GSE Below Grade	he	GSE Below Grade	ho	GSE Below Grade	
2	Recreation Room Count	П	Bedroom Room Count	br	Bathroom Room Count	ba	Other Room Count	O

Line	PDF Rendered Field Example
1	1500sf750sfwu
2	1rr2br1.1ba0o

Parsing Instructions

Line 1:

- 1) Assign the number before the first 'sf' to GSE Below Grade Total Square Feet Number
- 2) Assign the number between the first and second 'sf' to GSE Below Grade Finish Square Feet Number
- 3) After the second 'sf', look for one of the allowable PDF Rendered Values of *GSE Basement Exit Type*, and assign the corresponding XML Allowable Value

PDF Rendered Field Examples
1500sf750sfwu
Osf

Parsing Examples

Steps	1)	2)	3)	
Data Point	GSE Below Grade Total Square Feet Number	GSE Below Grade Finish Square Feet Number	GSE Basement Exit Type	
Value	1500	750	WalkUp	
Value	0			

Line 2:

- 1) Assign the number before the 'rr' to GSE Below Grade Recreation Room Count
- 2) Assign the number between 'rr' and 'br' to GSE Below Grade Bedroom Room Count
- 3) Assign the number between 'br' and 'ba' to GSE Below Grade Bathroom Room Count
- 4) Assign the number between 'ba' and 'o' to GSE Below Grade Other Room Count

PDF Rendered Field Example

1rr2br1.1ba0o

Steps	1)	2)	3)	4)
Data Point	GSE Below Grade Recreation	GSE Below Grade Bedroom	GSE Below Grade	GSE Below Grade
Data Pollit	Room Count	Room Count	Bathroom Room Count	Other Room Count
Value	1	2	1.1	0

12. Garage/Carport (Single Family)

Note: while this field will contain more than one piece of information, it will still be mapped to a single location in the UAD MISMO XML. Therefore, the "rendering instructions" are intended for the original creator of the data, and are not specific to the PDF, but apply to any format in which the data is stored.

Field/Form Cross Reference Table

Appraisal Form Number	1004/70	2055/2055	Data Point Name
Field Reference (page –	2-37 / 2-	2-37 / 2-	Sale Price Adjustment
field)	91	91	Description

Rendering Instructions

- 1) If and only if there are any attached garage spaces, print the number of attached garage spaces.
- 2) If and only if there are any attached garage spaces, print 'ga'.
- 3) If and only if there are any detached garage spaces, print the number of detached garage spaces.
- 4) If and only if there are any detached garage spaces, print 'gd'.
- 5) If and only if there are any built-in garage spaces, print the number of built-in garage spaces.
- 6) If and only if there are any built-in garage spaces, print 'gbi'.
- 7) If and only if there are any carport spaces, print the number of carport spaces.
- 8) If and only if there are any carport spaces, print 'cp'.
- 9) If and only if there are any driveway spaces, print the number of driveway spaces.
- 10) If and only if there are any driveway spaces, print 'dw'.
- 11) If none of the above apply, print 'None'.

Rendered Field Examples
2ga2dw
1ga2gd1dw
1ga1gd1gbi1cp2dw
2gbi2dw
None

1)	2)	3)	4)	5)	6)	7)	8)	9)	10)	11)
		[# Detached		[# Built-In				[# Driveway		
[# Attached Spaces]	ga	Spaces]	gd	Spaces]	gbi	[# Carport Spaces]	ср	Spaces]	dw	
		[# Detached		[# Built-In						
[# Attached Spaces]	ga	Spaces]	gd	Spaces]	gbi	[# Carport Spaces]	ср			
		[# Detached		[# Built-In				[# Driveway		
[# Attached Spaces]	ga	Spaces]	gd	Spaces]	gbi			Spaces]	dw	
		[# Detached		[# Built-In						
[# Attached Spaces]	ga	Spaces]	gd	Spaces]	gbi					
		[# Detached						[# Driveway		
[# Attached Spaces]	ga	Spaces]	gd			[# Carport Spaces]	ср	Spaces]	dw	
		[# Detached								
[# Attached Spaces]	ga	Spaces]	gd			[# Carport Spaces]	ср			
		[# Detached						[# Driveway		
[# Attached Spaces]	ga	Spaces]	gd					Spaces]	dw	
		[# Detached								
[# Attached Spaces]	ga	Spaces]	gd							
				[# Built-In				[# Driveway		
[# Attached Spaces]	ga			Spaces]	gbi	[# Carport Spaces]	cp	Spaces]	dw	
				[# Built-In						
[# Attached Spaces]	ga			Spaces]	gbi	[# Carport Spaces]	cp			
				[# Built-In						
[# Attached Spaces]	ga			Spaces]	gbi					
								[# Driveway		
[# Attached Spaces]	ga					[# Carport Spaces]	cp	Spaces]	dw	
[# Attached Spaces]	ga					[# Carport Spaces]	ср			
								[# Driveway		
[# Attached Spaces]	ga							Spaces]	dw	
[# Attached Spaces]	ga									
		[# Detached		[# Built-In				[# Driveway		
		Spaces]	gd	Spaces]	gbi	[# Carport Spaces]	cp	Spaces]	dw	

1)	2)	3)	4)	5)	6)	7)	8)	9)	10)	11)
		[# Detached		[# Built-In						
		Spaces]	gd	Spaces]	gbi	[# Carport Spaces]	ср			
		[# Detached		[# Built-In						
		Spaces]	gd	Spaces]	gbi					
		[# Detached								
		Spaces]	gd			[# Carport Spaces]	сp			
		[# Detached						[# Driveway		
		Spaces]	gd					Spaces]	dw	
		[# Detached								
		Spaces]	gd							
				[# Built-In				[# Driveway		
				Spaces]	gbi	[# Carport Spaces]	ср	Spaces]	dw	
				[# Built-In						
				Spaces]	gbi	[# Carport Spaces]	ср			
				[# Built-In				[# Driveway		
				Spaces]	gbi			Spaces]	dw	
				[# Built-In						
				Spaces]	gbi					
								[# Driveway		
						[# Carport Spaces]	ср	Spaces]	dw	
						[# Carport Spaces]	ср			
								[# Driveway		
								Spaces]	dw	
										None

Garage/Carport (Condominium)

Note: while this field will contain more than one piece of information, it will still be mapped to a single location in the UAD MISMO XML. Therefore, the "rendering instructions" are intended for the original creator of the data, and are not specific to the PDF, but apply to any format in which the data is stored.

Field/Form Cross Reference Table

Appraisal Form Number	1073/465	1075/466	Data Point Name
Field Reference (page –			Sale Price Adjustment
field)	3-42 / 3-104	3-42 / 3-104	Description

Rendering Instructions

- 1) If and only if there are any garage spaces, print the number of garage spaces.
- 2) If and only if there are any garage spaces, print 'g'.
- 3) If and only if there are any covered spaces, print the number of covered spaces.
- 4) If and only if there are any covered spaces, print 'cv'.
- 5) If and only if there are any open spaces, print the number of open spaces.
- 6) If and only if there are any open spaces, print 'op'.
- 7) If none of the above apply (i.e. there are no garage spaces, no covered spaces, and no open spaces), print 'None'.
- 8) If the appraiser writes in anything else, precede it with a single semicolon.

Rendered Field Examples
2g
1g1cv
1cv
1g1cv;1 Owned
2g1cv1op;1a 2ow
None
None;StrPermit

1)	2)	3)	4)	5)	6)	7)	8	
[# Garage		[# Covered		[# Open				[Free
Spaces]	g	Spaces]	cv	Spaces]	op		;	Text]
[# Garage		[# Covered		[# Open				
Spaces]	g	Spaces]	cv	Spaces]	op			
[# Garage		[# Covered						[Free
Spaces]	g	Spaces]	cv				;	Text]
[# Garage		[# Covered						
Spaces]	g	Spaces]	cv					
[# Garage				[# Open				[Free
Spaces]	g			Spaces]	op		;	Text]
[# Garage				[# Open				
Spaces]	g			Spaces]	op			
[# Garage								[Free
Spaces]	g						;	Text]
[# Garage								
Spaces]	g							
		[# Covered		[# Open				[Free
		Spaces]	cv	Spaces]	op		;	Text]
		[# Covered		[# Open				
		Spaces]	cv	Spaces]	op			
		[# Covered						[Free
		Spaces]	cv				;	Text]
		[# Covered						
		Spaces]	cv					
				[# Open				[Free
				Spaces]	op		;	Text]
				[# Open				
				Spaces]	op			
								[Free
						None	;	Text]
						None		

13. (Sales Comparison Approach) Data Source(s)

Field/Form Cross Reference Table

Appraisal Form Number	1004/70	2055/2055	1073/465	1075/466	Data Point Name
Field Reference	e-25	e-25	e-25	e-25	GSE Data Source Description
(page – field)	e-2	e-2	e-2	e-2	GSE Days On Market Description

PDF Rendering Instructions

- 1) Print the value of GSE Data Source Description
- 2) Print a semicolon
- 3) Print the text 'DOM'
- 4) Insert a space
- 5) Print the value of GSE Days On Market Description

Steps				
1)	2)	3)	4)	5)
GSE Data Source Description	;	DOM	[space]	GSE Days On Market Description

PDF Rendered Field Examples
MLS#123;DOM 60
MLS#123;DOM Unk

Parsing Instructions

- 1) Assign the text prior to the first semicolon to GSE Data Source Description
- 2) Assign the text after 'DOM' to GSE Days On Market Description

PDF Rendered Field Examples	
MLS#123;DOM 60	
MLS#123;DOM Unk	

Steps	1)	2)
Data Point	GSE Data Source Description	GSE Days On Market Description
Value	MLS#123	60
Value	MLS#123	Unk

14. (Sales Comparison Approach) Sale or Financing Concessions

Field/Form Cross Reference Table

Appraisal Form Number	1004/70	2055/2055	1073/465	1075/466	Data Point Name
	2-52	2-52	3-59	3-59	GSE Sale Type
Field Reference	e-26	e-26	e-26	e-26	GSE Financing Type
(page – field)	e-27	e-27	e-27	e-27	GSE Financing Type Other Description
	e-28	e-28	e-28	e-28	GSE Concession Amount

The instructions below reference two lines reflecting the way the information is captured in the Appraisal Forms. Refer to the specific line number for detailed information.

The list below provides the allowable values for the *GSE Sale Type* extension field. The PDF Rendered Values differ from their XML data equivalents to fit in the provided space.

GSE Sale Type			
XML Allowable Value	PDF Rendered Value		
REOSale	REO		
ShortSale	Short		
CourtOrderedSale	CrtOrd		
EstateSale	Estate		
RelocationSale	Relo		
NonArmsLengthSale	NonArm		
ArmsLengthSale	ArmLth		
Listing	Listing		

Line 1

PDF Rendering Instructions

1) Print the value of *GSE Sale Type* using the PDF Rendered Value shown above

PDF Rendering Structure

Step
1)
GSE Sale Type

PDF Rendered Field Example
ArmLth

Parsing Instructions

1) Assign the corresponding XML Allowable Value to GSE Sale Type

PDF Rendered Field Example	
ArmLth	

Step	1)
Data Point	GSE Sale Type
Value	ArmsLengthSale

Line 2

PDF Rendering Instructions

The list below provides the allowable values for the *GSE Financing Type* field. The PDF Rendered Values differ from their XML data equivalents to fit in the provided space.

GSE Financing Type			
XML Allowable Value	PDF Rendered Value		
FHA	FHA		
VA	VA		
Conventional	Conv		
Cash	Cash		
Seller	Seller		
RuralHousing	RH		
Other	[any other value]		

If *GSE Financing Type* has one of the XML Allowable Values listed in the table above [except 'Other']:

- 1) Print the value of *GSE Financing Type* using the PDF Rendered Value
- 2) Print a semicolon
- 3) Print the value of GSE Concession Amount

Steps		
1)	2)	3)
GSE Financing Type	;	GSE Concession Amount

PDF Rendered Field Example
Conv;1000

If GSE Financing Type has a value of 'Other'

- 1) Print the value of GSE Financing Type Other Description
- 2) Print a semicolon
- 3) Print the value of GSE Concession Amount

PDF Rendering Structure

Steps		
1)	2)	3)
GSE Financing Type Other Description	;	GSE Concession Amount

PDF Rendered Field Example	
Unknown;200	

Parsing Instructions

If the text before the semicolon is one of the PDF Rendered Values of *GSE Financing Type*:

- 1) Assign *GSE Financing Type* the corresponding XML Allowable Value
- 2) Assign the number after the semicolon to GSE Concession Amount

PDF Rendered Field Example	
Conv;1000	

Steps	1) 2)		
Data Point	GSE Financing Type	GSE Concession Amount	
Value	Conventional	1000	

If the text before the semicolon is not one of the PDF Rendered Values of *GSE Financing Type*:

- 1) Assign GSE Financing Type a value of 'Other'
- 2) Assign the text before the semicolon to GSE Financing Type Other Description
- 3) Assign the number after the semicolon to *GSE Concession Amount*

PDF Rendered Field Example	
Unknown;200	

Steps	1)	2)	3)	
Data Point	GSE Financing Type	GSE Financing Type Other Description	GSE Concession Amount	
Value	Other	Unknown	200	

15. Date of Sale/Time

Field/Form Cross Reference Table

Appraisal Form Number	1004/70	2055/2055	1073/465	1075/466	Data Point Name	
Eigld Deference	e-29	e-29	e-29	e-29	GSE Listing Status Type	
Field Reference (page – field)	e-30	e-30	e-30	e-30	GSE Short Date Description	
	e-31	e-31	e-31	e-31	GSE Contract Date Unknown Indicator	

GSE Listing Status Type				
XML Allowable Value PDF Rendered Value				
Active	Active			
Expired	e			
Withdrawn	W			
Contract	С			
SettledSale	S			

PDF Rendering Instructions

If the value of *GSE Listing Status Type* = 'Active':

1) Print 'Active'

Step	
1	.)
GSE Listing	Status Type

PDF Rendered Field Example
Active

If GSE Listing Status Type has any of the values 'Expired', 'Withdrawn', or 'Contract':

- 1) Print the value of *GSE Listing Status Type* using the PDF Rendered Value in the list above
- 2) Print the value of *GSE Short Date Description*

PDF Rendering Structure

Steps				
1)	2)			
GSE Listing Status Type	GSE Short Date Description			

PDF Rendered Field Examples
e05/10
w05/10
c05/10

If GSE Listing Status Type has the value 'SettledSale' and GSE Contract Date Unknown Indicator is 'N':

- 1) Print 's'
- 2) Print the value of the first instance of *GSE Short Date Description*[1]
- 3) Insert a semicolon
- 4) Print 'c'
- 5) Print the value of the second instance of *GSE Short Date Description*[2]

Steps					
1)	2)	3)	4)	5)	
S	GSE Short Date Description[1]	;	c	GSE Short Date Description[2]	

PDF Rendered Field Example
s05/10;c04/10

If GSE Listing Status Type has the value 'SettledSale' and GSE Contract Date Unknown Indicator is 'Y':

- 1) Print 's'
- 2) Print the value of the first instance of GSE Short Date Description
- 3) Insert a semicolon
- 4) Print 'Unk'

PDF Rendering Structure

Steps							
1)	2)	3)	4)				
S	GSE Short Date Description	;	Unk				

PDF Rendered Field Example
s05/10;Unk

Parsing Instructions

If the first character is 's',then:

- 1) Assign the value 'SettledSale' to GSE Listing Status Type
- 2) Assign the text between the 's' and the semicolon to the first instance of *GSE Short Date Description*[1]
- 3) If the text after the semicolon
 - a. is 'Unk', then assign a value of 'Y' to GSE Contract Date Unknown Indicator otherwise assign a value of 'N'
 - b. is any other text, then assign all text after the semicolon to the second instance of GSE Short Date Description[2]

PDF Rendered Field Examples			
s05/10;c04/10			
s05/10;Unk			

Parsing Examples

Steps	1)	2)	3a)	3b)
Data	Oata GSE Listing GSE Short Date		GSE Contract Date	GSE Short Date
Point	Status Type	Description[1]	Unknown Indicator	Description[2]
Value	SettledSale	05/10	N	04/10
Value	SettledSale	05/10	Y	

If the first character is a 'c', 'e', or 'w':

- 1) Assign a value to GSE Listing Status Type using the corresponding XML Allowable Value
- 2) Assign the text after the first letter to *GSE Short Date Description*

PDF Rendered Field Example
c05/10

Parsing Example

Steps	1)	2)	
Data Point	GSE Listing Status Type	GSE Short Date Description	
Value	Contract	05/10	

If the text is 'Active':

1) Assign the value 'Active' to GSE Listing Status Type

PDF Rendered Field Example
Active

Step	1)
Data Point	GSE Listing Status Type
Value	Active

16. Is there any commercial space in the project?

Field/Form Cross Reference Table

Appraisal Form Number	1004/70	2055/2055	1073/465	1075/466	Data Point Name
Field Reference			e-32	e-32	GSE Project Commercial Space Percent
(page – field)			1-190	1-190	Commercial Space Description

PDF Rendering Instructions

If *GSE Project Commercial Space Percent* contains a value:

- 1) Print the value of GSE Project Commercial Space Percent
- 2) Print a percent sign '%'
- 3) Print a semicolon
- 4) Print the value of *Commercial Space Description*

Steps			
1)	2)	3)	4)
GSE Project Commercial Space Percent	%	;	Commercial Space Description

PDF Rendered Field Example		
20%; There are a supermarket, a restaurant, and two doctors offices.		

Parsing Instructions

If the first value is a number:

- 1) Assign *GSE Project Commercial Space Percent* the value of the number preceding the '%' before the semicolon
- 2) Assign the text after the semicolon to Commercial Space Description

PDF Rendered Field Example
20%; There are a supermarket, a restaurant, and two doctors offices.

Steps	1)	2)		
Data Point	GSE Project Commercial Space Percent	Commercial Space Description		
Value	20	There are a supermarket, a restaurant, and two doctors offices.		

Index of Data Points

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