XAV Request

Address Validation Request

The AddressValidationRequest message consists of two complete XML documents. The first document is an AccessRequest. It is immediately followed by an AddressValidationRequest. When a client application is undergoing testing and integration, the document combination should be sent to the URL:

https://wwwcie.ups.com/ups.app/xml/XAV

Once a client application is in production, the document combination should be sent to the URL:

https://onlinetools.ups.com/ups.app/xml/XAV

The AddressValidationRequest document in the request must conform to the following XML structure.

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Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
AddressValidationRequest	/AddressValidationRequest	Yes	One	Container	N/A	N/A	
Request	/AddressValidationRequest/Request	Yes	One	Container	N/A	N/A	
TransactionReference	/AddressValidationRequest/Request/TransactionReference	No	One	Container	N/A	TransactionReference identifies transactions between client and server.	
CustomerContext	/AddressValidationRequest/Request/TransactionReference/CustomerContext	No	One	#ANY	1...512	The client uses CustomerContext to synchronize request/response pairs. The client establishes CustomerContext, which can contain any information you want, as along as it is valid XML; it is echoed back by the server.	
XpciVersion	/AddressValidationRequest/Request/TransactionReference/XpciVersion	No	One	string	6	Message version. May pass 1.0001	
ToolVersion	/AddressValidationRequest/Request/TransactionReference/ToolVersion	Yes	One	String		Not Used	
RequestAction	/AddressValidationRequest/Request/RequestAction	Yes	One	string	3	Indicates the action to be taken by the XML service. Must be 'XAV'.	
RequestOption	/AddressValidationRequest/Request/RequestOption	No	One	string	1	Identifies the optional processing to be performed. If not present or invalid value then the default will be used. 1= Address Validation (Default) 2= Address Classification 3= Address Validation and Address Classification. Note: Please see country validation and Classification Matrix for valid request combinations	

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Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
RegionalRequestIndicator	/AddressValidationRequest/RegionalRequestIndicator	No	One	EMPTY		If this indicator is present then either the region element, or any combination of Political Division 1, Political Division 2, PostcodePrimaryLow and the PostcodeExtendedLow fields will be recognized for validation in addition to the urbanization element. If this tag is present, US and PR street level address validation will not occur. The default is to provide street level address validation. Not valid with the address classification request option.	
MaximumListSize	/AddressValidationRequest/MaximumListSize	No	One	string	1...3	The maximum number of Candidates to return for this request. Valid Values: 0-50; Default value is 15.	
AddressKeyFormat	/AddressValidationRequest/AddressKeyFormat	Yes	One	Container		The Key format is based on addressing standards jointly developed by the Postal Service and mailing industry. The information provided in the Address Key container will be returned in the same format.	
ConsigneeName	/AddressValidationRequest/AddressKeyFormat/ConsigneeName	No	One	string	1...40	Name of business, company or person. Ignored if user selects the RegionalRequestIndicator.	
BuildingName	/AddressValidationRequest/AddressKeyFormat/BuildingName	No	One	string	1...40	Name of building. Ignored if user selects the RegionalRequestIndicator.	
AddressLine	/AddressValidationRequest/AddressKeyFormat/AddressLine	No	One	string	1...100	Address line (street number, street name and street type) used for street level information. Applicable to US and PR only. Ignored if user selects the RegionalRequestIndicator.	
Region	/AddressValidationRequest/AddressKeyFormat/Region	No	One	string	1...100	Single entry containing in this order Political Division 2, Political Division 1, Post CodePrimary Low, and Post Code Extended Low. If the node is present the following tags will be ignored Political Division 2, Political Division 1, Post Code Primary Low, and Post Code Extended Low. Valid only for US or PR origins only. Using this tag for non US/PR origins may cause address format errors.	
PoliticalDivision2	/AddressValidationRequest/AddressKeyFormat/PoliticalDivision2	No	One	string	1...30	City or town name.	
PoliticalDivision1	/AddressValidationRequest/AddressKeyFormat/PoliticalDivision1	No	One	string	1...30	State or Province/Territory name.	
PostcodePrimaryLow	/AddressValidationRequest/AddressKeyFormat/PostcodePrimaryLow	No	One	string	1...10	Postal Code.	

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Name	XPath	Required	Max Allowed	Type	Length	Description	Validation Rules
PostcodeExtended Low	/AddressValidationRequest /AddressKeyFormat/Postco deExtendedLow	No	One	string	1...10	4 digit Postal Code extension. For U.S. use only.	
Urbanization	/AddressValidationRequest /AddressKeyFormat/Urbani zation	No	One	string	1...30	Political Division 3.Only Valid for Puerto Rico.	
CountryCode	/AddressValidationRequest /AddressKeyFormat/Countr yCode	Yes	One	string	2	Country Code. Currently the only valid values are US, PR, or CA. Note: Please see country validation and Classification Matrix for valid request combinations	

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