AV3 - Errors

Anything that happens during a run of DOTS Address Validation 3 that causes it to be unable to finish its normal processing is an error. If an error occurs, something similar to the following will result instead of the normal/typical output:

Example:

	Error!
	<Type>Authorization</Type> <TypeCode>1</TypeCode> <Desc>Your license key does not work on this service.</Desc> <DescCode>8</DescCode>

There are four error types described below.

Error Types

Type	TypeCode	Billable	Standard Across All Gen2 Web Services
Authorization	1	No	Yes
User Input	2	No	No
Service Objects Fatal	3	No	Yes
Domain Specific	4	Yes	No

Error type 1: Authorization

Theses are standard to all Generation 2 DOTS Web Services.

DescCode	Desc
0	Unknown authorization error.
1	Please provide a valid license key for this web service.
2	The daily allowable number of transactions for this license key has been exceeded.
3	The monthly allowable number of transactions for this license key has been exceeded.
4	The total allowable number of transactions for this license key has been exceeded.

5	There are not enough transactions available. Check your daily /monthly transaction limits.
6	This license key has not yet been activated.
7	This license key has expired.
8	Your license key does not work on this service

Error type 2: User Input

User Input errors are caused when a user inputs an invalid value or fails to provide a certain input field altogether. If a developer creates a request and mistypes a parameter name, it will probably cause a User Input Error.

DescCode	Desc
1*	~~Address and Address2 fields were too long. Together, they must b 100 characters or less.~~
2*	~~Address field was too long, must be 100 characters or less.~~
3	Please input a street address.
4	Please input either zip code or both city and state.

*Deprecated DescCode that are no longer used.

Error type 3: Service Objects Fatal

The Desc will always be the same and the DescCode has no meaning. This is standard to all Generation 2 DOTS Web Services. This is a rare error that signals either a bug in the DOTS Address Validation 2 service, or a Network/Connectivity issue.

DescCode	Desc
1	Unhandled error. Please contact Service Objects.

Error type 4: Domain Specific

Domain specific errors represent the common errors seen in Service Objects services. Domain Specific errors indicate that the service completed successfully but the result is not good.

DescCode	Desc	Description	In Use
1	Address not found	Major issue with address that doesn't fit known USPS special case scenarios.	Yes
3	Multiple addresses match	Several address candidates were found that are equally likely given the input. Ex: "1 Main St" matches "1 E Main St" and "1 W Main St".	Yes
5	Please enter a valid address number.		Yes
7	Street not found	Street name not found for general area (city/state or zip)	Yes

8	Street number or box number out of range	Street name found in area, but the given primary number is not valid for that street	Yes
12	Internal error.	Returned when an unexpected error occurs while processing address, or for special address cases.	Yes
14	City not found	City name not found for given state or postal code	Yes
15	State not found	State abbreviation not found	Yes
16	DPV Lockout. Contact Service Objects immediately.	Returned for a specific type of address case known as a false positive.	Yes
17	Address not found but the region has General Delivery service	Given address not found, but the region provided matches a known area that only provides General Delivery services. Mail sent to "General Delivery" with the recipients name may get delivered to recipient. ***Update Coming Soon***	No
21	Unable to parse address.	Indicates that the input could not be parsed into address fragments.	Yes