VOTING-Services

VOTING Ausmittlung - Interface description (en)

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Contents

1. Purpose of the document

The interface description documents the interfaces of VOTING Ausmittlung which external systems can access.

2. gRPC-Interface

Almost all data of VOTING Ausmittlung can be managed via the gRPC interface. To be able to consume the interface also via web applications, gRPC-Web is used.
The gRPC interface documentation is available here: https://github.com/abraxas-labs/voting-ausmittlung-proto/blob/main/docs/api-specs/

3. REST-Interface

gRPC and especially gRPC-Web are not suitable for transferring large files. Therefore, certain functions such as uploading images or downloading exports must be done through the REST interface.
The REST interface documentation is available here: https://github.com/abraxas-labs/voting-ausmittlung-proto/blob/main/docs/api-specs/

4. Additional request parameters

In addition to the objects and service definitions described in the interfaces, further parameters can be supplied when using the API interfaces. These parameters are interpreted by the backend services and applied to context- or user-specific actions. The parameters must be passed to the interface as HTTP header.

Name	Optional	Description
Authorization	No	Authentication token (JWT) of the user, see VOTING Ausmittlung - Authorization Model (en). Is mandatory to authenticate the user.
x-tenant	No	ID of the user's current client, see VOTING Ausmittlung - Authorization Model (en). Is mandatory to know for which client the current call is valid. A user can have different rights for several clients, which is why it is mandatory to know for which client the user performs an action.
x-language	Yes	Language to be used. If no or an invalid language is set, VOTING determination uses a configured default language. For example, if "fr" is sent as a value, the French voting and election designations will be returned.
x-app	No	The application that the user uses and for which the permissions are to be fetched. The value must be included in a configured audience whitelist.

Name	Optional	Description
		For VOTING Ausmittlung, both VOTING-AUSMITTLUNG-ERFASSUNG and VOTING-AUSMITTLUNG-MONITORING are allowed as audiences. If a user only wants to be in the context of VOTING Ausmittlung Erfassung (e.g. if he is only authorized for Erfassung), he must send the value VOTING-AUSMITTLUNG-ERFASSUNG.