

swagger: '2.0'

info:

  version: 1.0.2

  title: Account Validation Plus Ownership API

  description: Afinis is a diverse group of organizations working to support advancement and use of API standardization in the financial services industry. Utilization of this API requires a developer to [register](https://www.afinis.org/user/register) their application.

host: api.asig.org

basePath: /accounts/v1

securityDefinitions:

  APIKeyQueryParam:

     type: apiKey

     in: query

     name: apikey

schemes:

- https

consumes:

- application/json

produces:

- application/json

paths:

  /validatewithname:

    post:

      summary: Account eligibility for debit ACH transactions

      tags:

      - Accounts

      operationId: validateAccount

      consumes:

      - application/json

      produces:

      - application/json

      parameters:

      - name: apiVersion

        in: header

        required: false

        type: string

        format: string

      - name: Request\_Id

        in: header

        required: false

        type: string

        format: uuid

        description: Optional Request ID allows application developer to trace requests through the systems logs

      - in: body

        name:  Account\_Validation\_Plus\_Ownership

        required: false

        description: Account to be validated

        schema:

          type: object

          required:

            - account

            - agent

            - owner

          properties:

            account:

             $ref: '#/definitions/account'

            agent:

              $ref: '#/definitions/agent'

            owner:

              $ref: '#/definitions/owner'

            cashAccountType:

               type: string

               default: Current

               enum:

               - Current

               - Savings

      responses:

        200:

          description: Valid account request

          schema:

            $ref: '#/definitions/response-200'

        400:

          description: Bad request

          schema:

            $ref: '#/definitions/error-400'

        401:

          description: Unauthorized

          schema:

            $ref: '#/definitions/error-401'

        403:

          description: Forbidden

          schema:

            $ref: '#/definitions/error-403'

        404:

          description: Not Found

          schema:

            $ref: '#/definitions/error-404'

        405:

          description: Method Not Allowed

          schema:

            $ref: '#/definitions/error-405'

        406:

          description: Not Acceptable

          schema:

            $ref: '#/definitions/error-406'

        415:

          description: Unsupported Media Type

          schema:

            $ref: '#/definitions/error-415'

        500:

          description: Internal Server error

          schema:

            $ref: '#/definitions/error-500'

        503:

          description: Service Unavailable

          schema:

            $ref: '#/definitions/error-503'

      security:

      - APIKeyQueryParam: []

definitions:

  agent:

    description: Identification of a financial institution.

    type: object

    required:

      - clearingSystemIdentification

      - memberIdentification

    properties:

      clearingSystemIdentification:

        type: string

        example: USABA

        enum:

         - USABA

        description: >

          Specification of a pre-agreed offering between clearing agents or the channel through which the payment instruction is processed:

           \* `USABA` - Routing Transit number assigned by the ABA for US financial Institutions.

      memberIdentification:

        type: string

        minLength: 1

        maxLength: 35

        example: "061103852"

  account:

    title: Account

    type: object

    required:

      - identification

    properties:

      identification:

        description: Account number being verified

        example: "11101012"

        minLength: 1

        maxLength: 34

  owner:

    title: Owner

    type: object

    description: Party that legally owns the account.

    required:

      - surname

      - givenName

    properties:

      surname:

        description: Surname is a name added to a given name and is part of a personal name. In many cases, a surname is a family name

        example: Doe

        type: string

        minLength: 1

        maxLength: 35

      givenName:

        description: Name given at birth

        example: John

        type: string

        minLength: 1

        maxLength: 35

      middleName:

        description: Second name of a person

        example: Samuel

        type: string

        minLength: 1

        maxLength: 35

      nameSuffix:

        description: Suffix for name

        example: PhD

        type: string

        minLength: 1

        maxLength: 350

  response-200:

    title: Response

    type: object

    description: 200 - OK

    properties:

      accountStatus:

        type: string

        description: Status of account being validated

        example: Enabled

        enum:

          - Enabled

          - Disabled

      ownerNameMatch:

        type: object

        required:

          - surnameMatch

          - givenNameMatch

        properties:

          surnameMatch:

            example: Match

            type: string

            enum:

              - Match

              - Partial Match

              - No Match

              - No Data Found

          givenNameMatch:

            example: Partial Match

            type: string

            enum:

              - Match

              - Partial Match

              - No Match

              - No Data Found

          middleNameMatch:

            example: No Match

            type: string

            enum:

              - Match

              - Partial Match

              - No Match

              - No Data Found

          nameSuffixMatch:

            example: No Data Found

            type: string

            enum:

              - Match

              - Partial Match

              - No Match

              - No Data Found

  error-400:

    title: Error 400 - Bad Request

    description: The request could not be understood or required parameters were missing

    type: object

    properties:

      details:

        description: error details

        type: array

        items:

            $ref: '#/definitions/errorDetails-400'

  errorDetails-400:

    title: Error 400 - Bad Request - Details

    type: object

    properties:

      errorCode:

        description:  >

          A programmatic error code:

            \* `2000` - Invalid JSON structure.

            \* `2001` - '[Field name] is missing or invalid.'

            \* `2002` - Invalid date.

            \* `2003` - Invalid combination of fields submitted. Check the API specification for eligible combinations.

            \* `2004` - '[Field name] cannot be more than [max number] characters.'

        example: 2000

        type: number

        enum:

          - 2000

          - 2001

          - 2002

          - 2003

          - 2004

      message:

        description: A human readable description of the problem

        example: 'Invalid JSON structure.'

        type: string

  error-401:

    title: Error 401 - Unauthorized

    description: Authentication failed or user doesn’t have permissions for requested operation

    type: object

    properties:

      details:

        description: error details

        type: array

        items:

            $ref: '#/definitions/errorDetails-401'

  errorDetails-401:

    title: Error 401 - Unauthorized - Details

    type: object

    properties:

      errorCode:

        example: 1000

        type: number

        enum:

          - 1000

          - 1001

        description: >

          A programmatic error code:

            \* `1000` - API key is missing, invalid or expired.

            \* `1001` - API token is invalid, expired, or account associated with key does not have access to that API.

      message:

        description: A human readable description of the problem

        example: 'API key is missing, invalid or expired.'

        type: string

    required:

    - errorcode

    - message

  error-403:

    title: Error 403 - Forbidden

    description: The client does not have access rights to the content; that is, it is unauthorized, so the server is refusing to give the requested resource. Unlike 401, the client's identity is known to the server.

    type: object

    required:

    - errorCode

    - message

    properties:

      errorCode:

        example: 403

        type: number

        enum:

          - 403

        description: >

          A programmatic error code:

            \* `403` - Forbidden

      message:

        description: A human readable description of the problem

        example: 'Forbidden'

        type: string

  error-404:

    title: Error 404 - Not Found

    description: Resource was not found.

    type: object

    required:

    - errorCode

    - message

    properties:

      errorCode:

        example: 404

        type: number

        enum:

          - 404

        description: >

          A programmatic error code:

            \* `404` - Resource was not found.

      message:

        description: A human readable description of the problem

        example: 'Resource was not found.'

        type: string

  error-405:

    title: Error 405 - Method Not Allowed

    description: The request method is known by the server but has been disabled and cannot be used.

    type: object

    required:

    - errorCode

    - message

    properties:

      errorCode:

        example: 405

        type: number

        enum:

          - 405

        description: >

          A programmatic error code:

            \* `405` - Method Not Allowed

      message:

        description: A human readable description of the problem

        example: 'Method Not Allowed'

        type: string

  error-406:

    title: Error 406 - Not Acceptable

    description: Web server doesn't find any content that conforms to the criteria given by the user agent.

    type: object

    required:

    - errorCode

    - message

    properties:

      errorCode:

        example: 406

        type: number

        enum:

          - 406

        description: >

          A programmatic error code:

            \* `406` - Not Acceptable

      message:

        description: A human readable description of the problem

        example: 'Not Acceptable'

        type: string

  error-415:

    title: Error 415 - Unsupported Media Type

    description: The media format of the requested data is not supported by the server, so the server is rejecting the request.

    type: object

    required:

    - errorCode

    - message

    properties:

      errorCode:

        example: 415

        type: number

        enum:

          - 415

        description: >

          A programmatic error code:

            \* `415` - Unsupported Media Type

      message:

        description: A human readable description of the problem

        example: 'Unsupported Media Type'

        type: string

  error-500:

    title: Internal Server Error

    description: 500 - Internal Server Error

    type: object

    required:

    - details

    properties:

      details:

        description: error details

        type: array

        items:

            $ref: '#/definitions/internalServerErrorDetails'

  internalServerErrorDetails:

    title: Internal Server Error Details

    type: object

    required:

    - errorCode

    - message

    properties:

      errorCode:

        example: 3001

        type: number

        enum:

          - 3001

        description: >

          A programmatic error code:

            \* `3001` - Internal Server error.

      message:

        description: A human readable description of the problem

        example: 'Internal Server error'

        type: string

  error-503:

    title: Error 503 - Service Unavailable

    description: Service is temporarily unavailable

    type: object

    required:

    - errorCode

    - message

    properties:

      errorCode:

        example: 503

        type: number

        enum:

          - 503

        description: >

          A programmatic error code:

            \* `503` - Service Unavailable

      message:

        description: A human readable description of the problem

        example: 'Service is temporarily unavailable.'

        type: string