**TM Forum Open APIs**

**Conformance Certification**

*Company Name:* ***Aria Systems Inc.***

*TM Forum Open API Name:*

***TMF666 Account Management API***

*TM Forum Open API Release Version:* ***19.0 / 4.0***

**Report Date: *18-Nov-2021***

1. **What Product or Solution does your API support?**

This API is designed to support Aria’s flagship billing and monetization platform. It is a cloud-native order-to-usage-to-cash solution that is designed to interoperate with a CSP’s IT eco-system using over 360 APIs as end-to-end autonomous billing operation.



Aria is committed to complying with the TM Forum’s Open API & Open Digital Architecture (ODA) model. It reduces integration costs and timelines for CIOs/CTOs who are actively shifting course to build a more flexible architectural foundation for opportunities driven by 5G/SDN, partnerships and new best-of-breed systems of engagement.

Aria:

* Replaces or augments traditional and best-of-suite operational and business support system (OSS/BSS) architectures that restrict business agility.
* Is 100% configurable (no-code platform) enabling business and IT leaders to get to market fast and at lower cost to entry.
* Operates at web scale and leverages public cloud to change the billing relationship with features such as real-time billing, payment automation and AI/ML routine ingestion to improve time-to-cash and revenue assurance.
* Supports over 100 large CSPs and enterprises across multiple industry verticals, proving it can bill and monetize for any product, for any segment via any channel.
* For more information on Aria for Communication, see [https://bit.ly/3FcjDgv](https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Fbit.ly%2F3FcjDgv&data=04%7C01%7CAChomoko%40ariasystems.com%7C22d9e1b501254f85e36508d9a2e26211%7C65451a8edfa6427c9898526cd68aa3bf%7C1%7C0%7C637719915466432647%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=T6mAuK8ShZUhzpP0gBsK%2BOjSZbJNXvd13V3%2FHLV90Ik%3D&reserved=0)
1. **Overview of Certified API**

TMF666 – Account Management API provides:

* A standardized mechanism for the management of party, billing, and settlement accounts, as well as for financial accounting either in B2B or B2B2C context.
* Aria Crescendo uses its extensible fields to distinguish these four types of accounts within the hierarchical account structure.
* A method for creating and retrieval of account information from Aria Crescendo.
* A method for creating and retrieval of billing details from Aria Crescendo and present it in a format and media specified.

The Tables below show the API mandated resource along with mandated operations for conformance.

*PartyAccount, BillingAccount, FinancialAccount, SettlementAccount*

| Operation  | Mandatory/Optional  | Comments  |
| --- | --- | --- |
| GET  | M  | Response Status Code 200 if successfulResponse Status Code 404 if not found |
| POST  | M  | Status Code 201 if resource created |

* + - **{Party,Billing,Financial,Settlement}Account Operations**
* Create an Account
	+ This operation creates an Account within Aria Crescendo
* Retrieve Account
	+ This operation retrieves a list of Accounts from Aria Crescendo
* Retrieve Accounts by filters
	+ This operation retrieves Accounts based on a variety of filter conditions from Aria Crescendo

*BillingCycleSpecification*

| Operation  | Mandatory/Optional  | Comments  |
| --- | --- | --- |
| GET  | M  | Response Status Code 200 if successfulResponse Status Code 404 if not found |
| POST  | M  | Status Code 201 if resource created |

* + - **BillingCycleSpecification Operations**
* Create Billing Cycle Specification
	+ This operation creates a Billing Cycle Specification within Aria Crescendo’s rate schedules
* Retrieve Billing Cycle Specification
	+ This operation retrieves a list of Billing Cycle Specifications from Aria Crescendo Crescendo’s rate schedules
* Retrieve bill formats by filters
	+ This operation retrieves Billing Cycle Specifications based on a variety of filter conditions from Aria Crescendo Crescendo’s rate schedules

*BillFormat*

| Operation  | Mandatory/Optional  | Comments  |
| --- | --- | --- |
| GET  | M  | Response Status Code 200 if successfulResponse Status Code 404 if not found |
| POST  | M  | Status Code 201 if resource created |

* + - **BillFormat Operations**
* Create a bill format
	+ This operation creates a bill format within Aria
* Retrieve bill formats
	+ This operation retrieves a list of bill formats from Aria
* Retrieve bill formats by filters
	+ This operation retrieves bill formats based on a variety of filter conditions from Aria

*BillPresentationMedia*

| Operation  | Mandatory/Optional  | Comments  |
| --- | --- | --- |
| GET  | M  | Response Status Code 200 if successfulResponse Status Code 404 if not found |

* + - **billPresentationMedia Operations**
* Retrieve Bill Presentation Media
	+ This operation retrieves a list of Bill Presentation Media from Aria Crescendo
1. **Architectural View**



1. **Test Results**

TMF666 HTML Results

