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**TM Forum Open APIs**

**Conformance Certification**

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

*TM Forum Open API Name:*

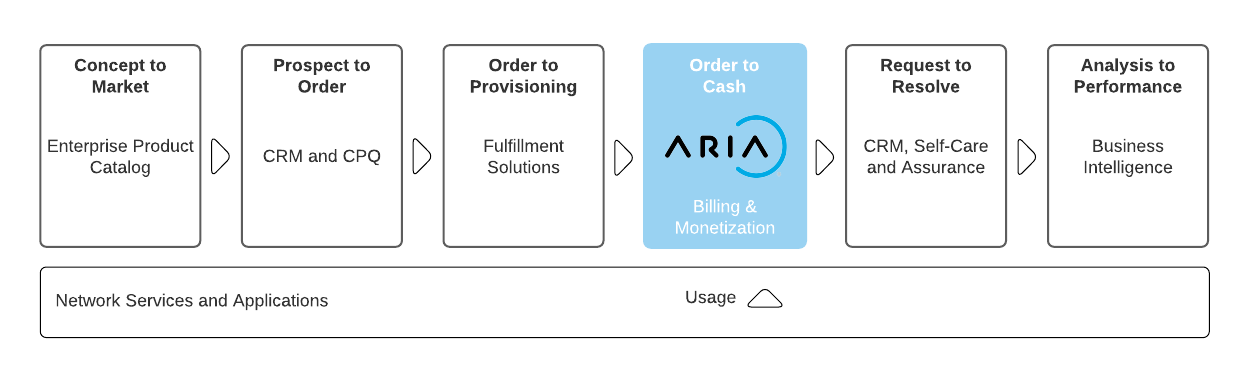
***TMF635 Usage Management API***

*TM Forum Open API Release Version:* ***20.5 / 4.0***

**Report Date: *12-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**

TMF635 – Usage Management API provides:

* A standardized mechanism for usage management such as the creation, update, retrieval, import and export of a collection of usage records in Aria Crescendo.
* A method for creating and defining usage type or specifications in Aria Crescendo.

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

*Usage*

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

**Usage Operations**

* Create usage
  + This operation creates both rated and un-rated usage records within Aria Crescendo
* Retrieve usage details
  + This operation retrieves a list of usage records from Aria Crescendo
* Retrieve usage details by filters
  + This operation retrieves usage records or collection of usage details based on a variety of filter conditions from Aria Crescendo

*UsageSpecification*

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

**UsageSpecification Operations**

* Create usageSpecification
  + This operation creates usage types within Aria Crescendo
* Retrieve usageSpecification
  + This operation retrieves a list of usage types from Aria Crescendo
* Retrieve usageSpecification by filters
  + This operation retrieves usage types based on a variety of filter conditions from Aria Crescendo

1. **Architectural View**

Timeline

Description automatically generated

1. **Test Results**

