

TM Forum Open APIs

Conformance

Certification



Company Name:

6D Technologies

Product Name and Release Version:

Partner Relationship Management – v12.0

TM Forum Open API Name and Release Version:

TMF735 – CDR Transaction Management v5.0.0

Date: 01/09/2026

1. What Product or Solution does your API support?

The CDR Transaction Management API (TMF735) is part of the Partner Relationship Management and Settlement layer within our Canvas BSS solution suite.

It enables the packaging, tracking, and lifecycle management of rated usage records (CDRs) into settlement transactions between our platform and its ecosystem partners — distributors, wholesale/revenue-sharing partners, and other business parties — ensuring that revenue-share obligations are accurately captured, billed, and paid.

This API supports the Partner Settlement component, which acts as the transaction-execution layer between Partner Revenue Share Model/Algorithm Management (TMF738/TMF736) and Revenue Sharing Reporting (TMF737, Customer/Partner Bill Management). It plays a critical role in settlement accuracy, auditability, and dispute-ready traceability across multi-partner revenue-sharing arrangements.

2. Overview of Certified API

CDR Transaction Management API REST Specification

The TMF735 – CDR Transaction Management API provides a standardized mechanism to group rated usage records (CDRs) into transactions for the purpose of revenue sharing between a partner and a service provider, or among multiple partners. It ensures that usage, related parties, billing references, and payment references are consistently linked and auditable throughout the settlement lifecycle.

This API defines the CdrTransaction resource, decomposed into one or more CdrTransactionItem entities, each carrying the underlying Cdr records along with their rating amounts, tax treatment, and related-party attribution. It enables creation, partial update, and deletion of transactions while maintaining lifecycle state transitions (e.g., charged, billed, completed, cancelled) and event notifications.

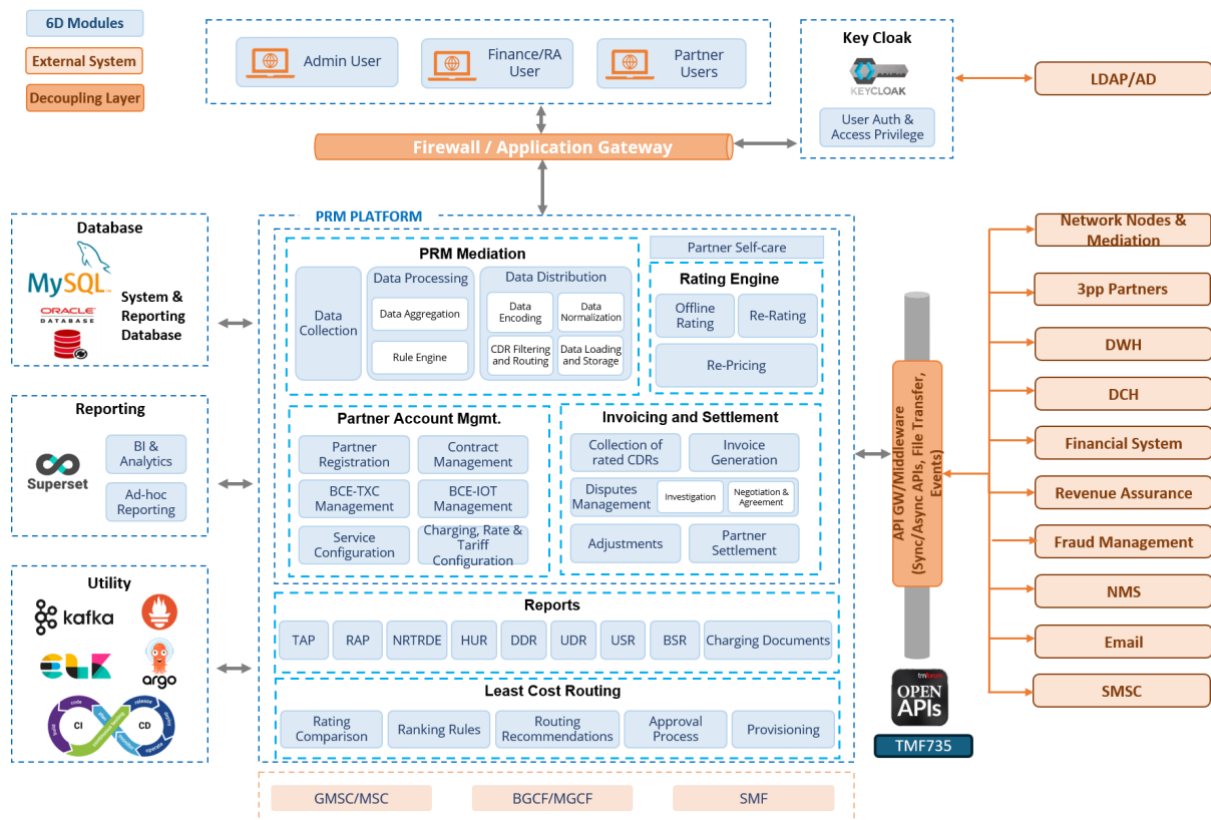
The API supports both synchronous CRUD operations and asynchronous event notifications, and integrates seamlessly with other TM Forum Open APIs such as TMF738 (Revenue Sharing Model Management), TMF736 (Revenue Sharing Algorithm Management), and TMF737 (Revenue Sharing Report Management), enabling smooth orchestration from revenue-share calculation through to partner settlement and payment.

Key Functions:

- Create, retrieve, partially update, and delete CDR transaction requests grouping one or more rated CDRs.
- Associate transactions with related parties (e.g., distributor, revenue-sharing model owner) and their respective roles.
- Link transaction items to customer bills and payments for end-to-end settlement traceability.
- Support for transaction and transaction-item state transitions (e.g., billed, completed, cancelled) with cancellation reason capture.
- Event notifications for transaction creation, deletion, attribute-value change, and state change — enabling downstream reconciliation and dispute management.

By implementing TMF735, the solution ensures accurate and auditable partner revenue-share settlement, reduces reconciliation disputes, and enhances automation and interoperability within the BSS partner-settlement ecosystem.

3. Architectural View



4. Test Results

This API has been tested as part of end-to-end journeys/Business Processes as well as at API level in terms of Authentication & Authorization, Functionalities & Operations that are supported through this API.

Click here to view the test results: [6D-TMF735-HTMLReport.html](#)