



TM Forum Open APIs Conformance Certification

Company Name:

6d Technologies

TM Forum Open API Name:

TMF644 - Privacy Management

TM Forum Open API Release Version:

5.0.0

Date: 15/07/2025

1. What Product or Solution does your API support?

6D's Identity and Access Management (IDAM) in Business Support Systems (BSS) is crucial for Digital Service Providers (DSPs) and any organization for security and relying on BSS for its core operations.

Party Privacy Management (PPM) capabilities within 6D's IDAM defines and enforces privacy policy rules established by DSPs, applying them to all parties interacting with the organization. It governs the handling of Personal Information (PI) and Personally Identifiable Information (PII) by defining privacy rules, capturing explicit opt-in and opt-out consent from individuals, and ensuring transparency in data usage. Through standardized privacy controls, automated policy enforcement, and audit capabilities, this solution helps DSPs mitigate privacy risks while building customer trust.

The TMFC022 is an ODA component that provides standardized capabilities for managing Privacy Management across stakeholders such as customers, employees and partners resources. It exposes TMF644 API for managing privacy related aspects within digital service provider ecosystems.

Value Proposition of 6d's Party Privacy Management Capabilities:

- **Regulatory Compliance & Auditability:** Ensures proactive adherence to privacy mandates with automated compliance reporting, audit trails, and risk-based policy enforcement.
- **Zero Trust-Based Data Security:** Implements role-based access controls (RBAC), least privilege access, and Just-In-Time (JIT) permissions to minimize data exposure risks, defining distinct privacy rules for customers, business partners, and vendors to ensure appropriate data access and handling.
- **Consent Management:** Enables granular consent handling across multi-channel customer journeys, ensuring real-time preference enforcement and immutability of records.
- **End-to-End Privacy Automation:** Reduces manual interventions with automated privacy workflows, risk-based policy enforcement, and secure data lifecycle management.
- **Cloud-Native, API-First Architecture:** Through the TMF644 Privacy Management API, this module seamlessly integrates with multi-cloud BSS ecosystems, ensuring flexibility, scalability, and real-time interoperability.

2. Overview of Certified API

It is an Open API that provides a standardized mechanism for managing privacy-related aspects within digital service provider ecosystems.

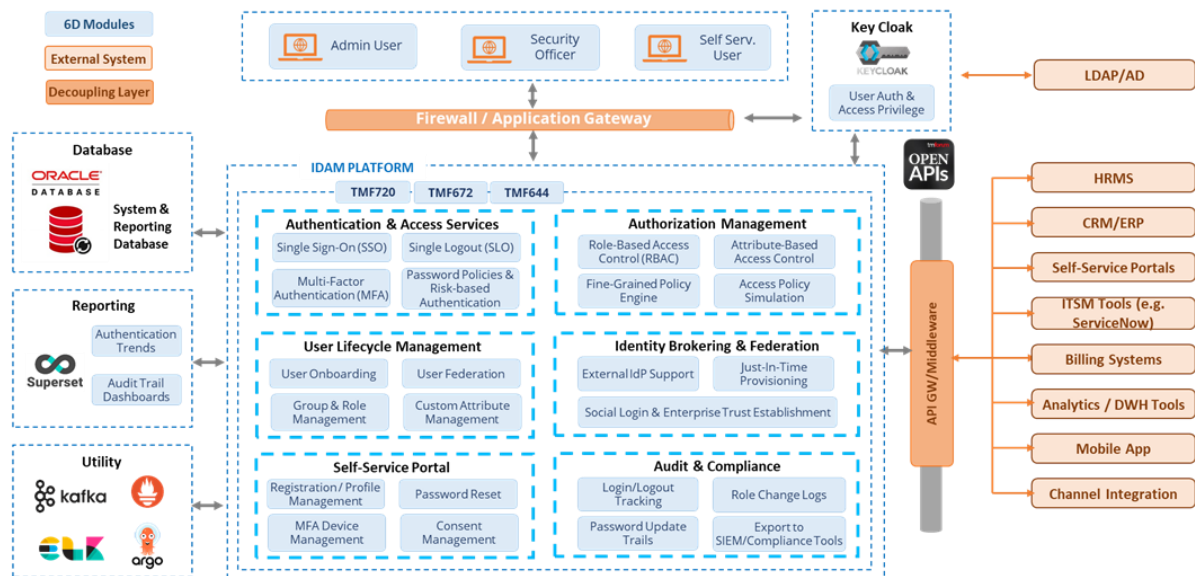
The Privacy Management API supports the following:

- Privacy Profile Specifications
- Privacy Profiles
- Privacy Agreements

Sample Use cases supported by IDAM through TMF 644 Privacy Management API:

- Centralized Consent Management
 - Customer Consent for Marketing
 - Data Sharing Preferences
- Privacy Profile Management
 - Personalized Privacy Settings
 - Default Privacy Settings based on Regulations

3. Architectural View



The above diagram gives a functional view of Identity Access and User Management that exposes Privacy Management API (TMF644) to external services.

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-IDAM-TMF644-HTMLReport.html](#)