

2024 - Data and AI Theme Charter

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1. Theme Information

* indicates that this field is required

Theme Name*	Data & AI
IPR Mode*	RAND  Explanations of each mode is available at http://www.tmforum.org/IPRPolicy/11525/home.html
Strategic Program	Zero Touch Operations
Theme Website Link	AI, Data & Insights - TM Forum Confluence <i>please rename to AI & Data</i>
Theme Lead	Yvonne Kuimba
TMF Project Manager	Alan Pope and Stuart Dunn

2. Theme Overview / Executive Summary

Mission	• Enabling our industry to understand the practical potential of AI and to build the foundations for long term success by overcoming the bold choices needed to re-ignite growth and seize the opportunities presented by AI.
Value	• The critical technology for driving telecoms' growth is AI, with its ability to transform business models, deliver a step-change in • AI-driven operations are predicted to save the telecoms industry \$27 billion in the coming decade, reduce time to market by 10% and improve life-time value through effective use of AI and help operators invest wisely to get the right results with AI by embracing
Implementation	• Covering: ◦ Composable AI-enabled Automation ◦ Data democratization for AI Use-cases through Open standards ◦ Value-based Management of AI-enabled Operations, catering for GenAI and LLM ◦ Reduction of risk through well-governed AI and Data to support monetization of AI opportunities at scale

Theme Projects	ODA-enabled Automation realizes REAL	
	GOVERNANCE OF AI-ENABLED AUTOMATION	IMPLEMENTATION
	The AI & Data Theme works with members on how to govern ODA consumer value and regulate AI-enabled applications, keeping costs under control as we scale up to fully automate operations AI & Data Governance: The industry relies on AI to effectively augment and automate decision-making that would overwhelm human operators. It is estimated that by 2025 there will be 30+ billion connections worldwide. Employ TMF AI & Data Governance frameworks and APIs for enhanced safety and compliance, for reduced business risks as an AI-Native Telco Measuring and Managing Autonomy: Apply Autonomous Operations methodologies to enable Predictive maintenance and self-healing domains to reduce downtime and improve resilience. Open Digital Experience: Embed TM Forum Models intrinsically in your enterprise governance engine to maximize the impact of ODA to your stakeholders	The AI & Data Theme works with potential from AI today and in the future AIOps: Use TM Forum AIOps to : Design and Development, through Decommission. AI Closed-loop Automation: Enable energy cost reduction and ROCE in the network Digital Twin for Decision Intelligence: Enable vehicles to sensor data, as well as data, and AI to convert data into a digital twin
	The AI & Data Theme works with members on how to unlock our data to increase the power of AI applications Modern Data Architecture: ODA's Modern Data Architecture (MDA) aims to break down data silos and democratize data access so that stakeholders running on ODA can improve personalization, customer retention and grow new services. MDA also aims to ensure Operators can scale flexibly and are able to handle the continuous processing of increasing data volumes, responding with real time information updates from the network and IT systems for AI usecases such as predictive analytics, fault detection, disaster management, climate change, etc.	The AI & Data Theme works with making AI integral to Telco Operations Autonomous Networks: TM Forum reference architectures and deploy closed loop automation help with connecting AI holistically across the network and accumulation of technical debt artificial intelligence (AI), which are demand.

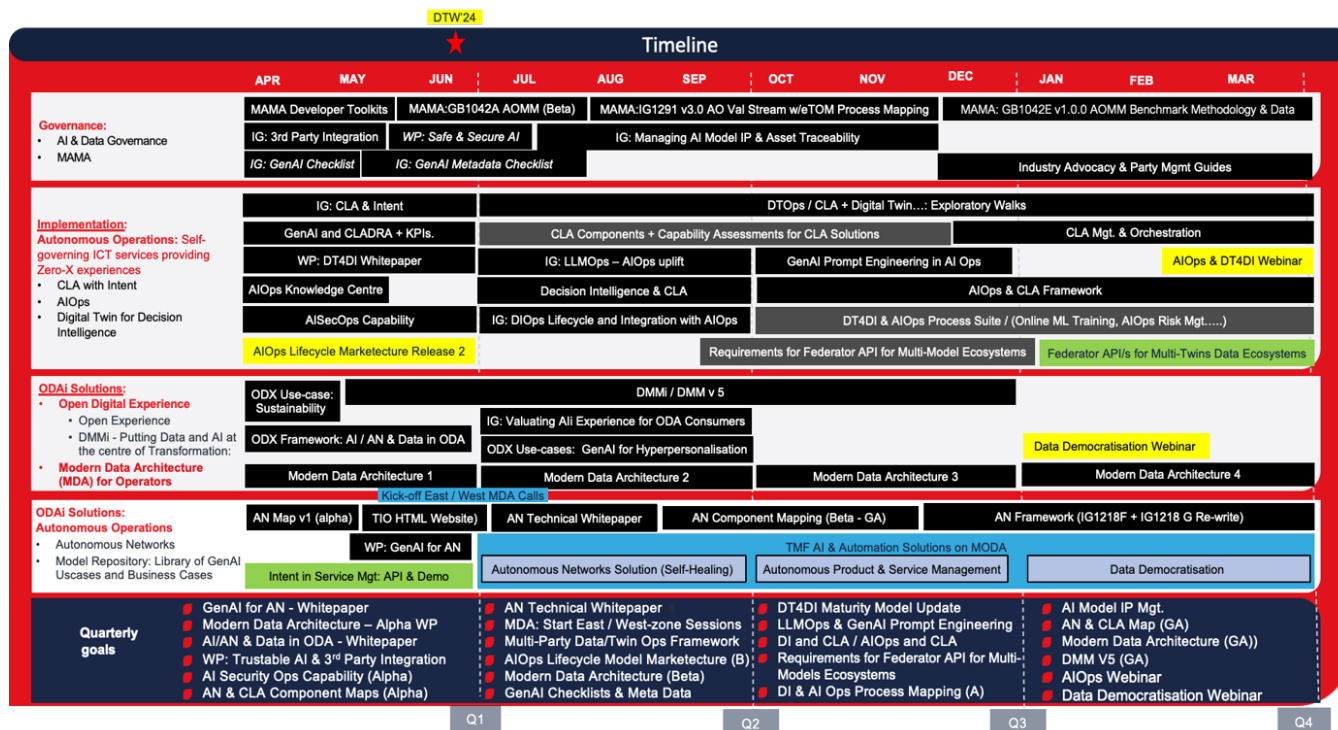
3. Project Chairs

This section identifies the team leads, chair and co-chairs.

Note - Please review the [Team Roles & Responsibilities RACI here](#) which also indicates which roles are mandatory or optional

Projects	Project Team Chairs	Project Manager	Subject Matter Expert	Comments
AI & Data Governance	Rob Claxton Sarah Ness Radek Odobina	Stuart Dunn		
Measuring and Managing Autonomy	Emmanuel A. Otchere Rohit Chowdhary	Alan Pope		
Open Digital Experience	Derek Chen Abinash Vishwakarma	Stuart Dunn		
AIOps	Luca Franco Varvello Ke Zhang	Stuart Dunn		
AI Closed-loop Automation	Emmanuel A. Otchere Satishkumar Sadagopan Mathew Thomas	Alan Pope		
Digital Twin for Decision Intelligence	Luca Franco Varvello Rifat Mahammod	Stuart Dunn		
Modern Data Architecture	Anthony Behan Cathal Kennedy Ahmed Saady Yaamin Tomas Sadauskas	Stuart Dunn		

4. Roadmap



5. Legal Notice

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Direct inquiries to the TM Forum office:

181 New Road, Suite 304
 Parsippany, NJ 07054 USA
 Tel No. +1 862 227 1648
 TM Forum Web Page: www.tmforum.org