

Regulation

5G API SPRINT

Build to Innovate

Updated 08.11.2024

1. PROMOTING ENTITY

MEO – SERVIÇOS DE COMUNICAÇÕES E MULTIMÉDIA, S.A., (hereafter referred to as MEO), headquartered at Avenida Fontes Pereira de Melo, 40, 1069-300 Lisbon, applied with the Lisbon Commercial Registry under tax number 504 615 947, with a share capital of €10,000,000.00, will promote an innovation initiative named "5G API SPRINT – Build to Innovate" (hereafter referred to as "5G API SPRINT" or "initiative"), under the terms of this regulation.

This initiative will be supported by Altice Labs, the innovation company of the Altice Group.

2. INTRODUCTION

MEO, as the market leader in the electronic communications sector in Portugal, has initiated the first innovation program aimed at challenging companies, startups, and individual developers, both Portuguese and foreign, to develop a prototype or redesign an application using MEO network standard APIs. The 5G API SPRINT – Build to Innovate aims to identify, promote, and support technological talent for the development of distinctive, secure, and innovative solutions.

3. OBJECTIVES

- a) This initiative follows the [agreement](#) established between MEO and GSMA Open Gateway Services in February 2024, making available a structure of standardized Application Programming Interfaces (APIs) to the Portuguese market, as per the rules and standards defined by [GSMA Open Gateway](#) / [CAMARA APIs](#). These APIs can be utilized and tested by participating companies, startups, and developers, contributing to the advancement of 4G and 5G mobile network-based services and their potential in Portugal and other regions.
- b) The standard APIs of the CAMARA project allow an application or mobile app to be used anywhere in the world, by using the network of any [operator](#) that is part of the GSMA Open Gateway.
- c) Providing a standard API mobile network structure to participants is a way to accelerate the development of new 4G and 5G services from Portugal in key areas such as: banking security, safe drone flight, robotics, augmented reality, and immersive online gaming, among others. It is also an opportunity for companies and startups to reach the global market using standard and replicable resources by telecommunications operators worldwide.
- d) Through this initiative, MEO aims to create market awareness of the advantages and capabilities of standard network APIs and promote experimentation with them among companies, startups, and developers.
- e) The initiative will be conducted in an ecosystem context with participating companies, startups, and developers, with MEO aiming to obtain feedback on the development of these functionalities using APIs to meet market needs and use cases under analysis.

4. APIs SCOPE OF THE INITIATIVE

MEO will provide participants with access to a platform enabling them to test the following network APIs:

- a) The **Device Identifier API (retrieve)** allows you to consult the brand, model, IMEI, and TAC of the equipment associated with a phone number (MSISDN).
- b) The **SIM Swap API** provides two operations:
 - o Retrieve: allows you to consult the activation date of the SIM card (physical) associated with a phone number (MSISDN). This information allows you to check if the phone number (MSISDN) has recently been transferred to another SIM card.
 - o Check: allows you to check, for a given phone number (MSISDN), if the SIM card swap occurred within a defined period (specified in the request with the 'maxAge' attribute).
- c) **Two Device Location APIs**:
 - o **Device Location Retrieval**: allows you to obtain information about the geographic area where the user's SIM card/mobile equipment is located. The area provided in the response will be a circle determined by coordinates (latitude and longitude) and a radius.
 - o **Device Location Verification**: allows you to check if a specific SIM card/mobile equipment is within a certain area. Besides the central point of this area, the radius in meters (between 2,000 to 200,000m) is requested to verify if the SIM card/equipment is inside or outside this area.
- d) The **Quality on Demand (QoD) APIs** allow you to manage network parameters, including the latency and/or data transfer rate of the mobile network, without the need for deep knowledge of mobile networks or the overall complexity of telecommunications systems. The following APIs will be provided:
 - o **QoD – QoS Profiles API**: allows developers to consult available QoD (Quality on Demand) profiles and their characteristics for use in the Quality on Demand API.
 - o **QoD – Quality on Demand API**: allows developers to create QoD sessions with the possibility to define a maximum duration, consult their statuses, extend their duration, and force shutdown.

5. ELIGIBILITY

- a) Companies, startups, and individual developers, both Portuguese and foreign, who wish to develop a prototype or redesign an application using MEO network standard APIs, standardized according to the rules and standards defined by GSMA Open Gateway Service / CAMARA APIs and reusable globally in networks of any operator's part of the GSMA Open Gateway, can apply.
- b) Each participant must submit their application indicating the Solution they intend to develop and which MEO network APIs they plan to use.
- c) Each participant can submit more than one application, provided they propose distinct Solutions in terms of characteristics and functionalities.

- d) All participants must be at least 18 years old. Those representing a company must be employees of the company or duly authorized by it to apply.
- e) Participants must complete the form available on the website: <https://www.meo.pt/empresas/5g-api-sprint> and provide the requested information.
- f) MEO will only accept applications formalized through the application form and contain the requested information. Any others will not be considered for this initiative.
- g) The following individuals are not eligible to apply for this initiative:
 - Employees of companies within the Altice Group;
 - Any individual selected to be part of the Jury responsible for analyzing and evaluating the Solutions

6. APPLICATION PROCESS

- a) Application and participation in this initiative are free and conducted online at <https://www.meo.pt/empresas/5g-api-sprint>. All applications must be submitted using the form available on the initiative's webpage. Submissions through any other means will not be considered, except in situations of proven unavailability/error in accessing or completing the form and/or the 5G API SPRINT website, for which MEO will indicate the respective alternative.
- b) Information attached to the application form by each participant can be in English or Portuguese.
- c) Participants are responsible for attesting to the veracity of all information indicated on and attached to the application form.
- d) If the form is completed as per this Regulation, a success message will appear at the time of submission, and MEO will send an automatic confirmation email.
- e) If there are any queries regarding the application process or additional questions, participants can contact MEO via email to 5gapisprint@altice.pt.

7. PARTICIPATION AND SELECTION

- a) Participation in the initiative is voluntary, nominative, and non-transferable, except in exceptional, duly justified situations approved by MEO.
- b) Within the scope of the initiative, participants are obliged to:
 - Not use the APIs for purposes other than those intended.
 - Not misuse or recklessly use the functionalities of the provided APIs;
 - Immediately notify MEO if they encounter any of the situations mentioned in the previous points, or any other anomalies.
- c) MEO will accept a maximum of 30 (thirty) applications. The first thirty applications to arrive will be accepted. Participants will be informed via email about the acceptance of their application. If

there are withdrawals before the initiative starts, MEO may contact the remaining applicants, in order of arrival, to participate.

- d) Participants will have access to:
1. One access to the MEO Network API Management Platform and the corresponding technical documentation. Instructions for accessing the platform will be provided to each participant via an email sent to the address indicated on the application form.
 2. Twelve (12) SIM card numbers for testing, which will remain with MEO and be shared among all participants. Quality on Demand APIs can be tested on three of these cards, with their usage tracked online via a tool provided by MEO.
 3. Three (3) SIM cards per participant, if they are in Portuguese territory. To have these cards, participants must fill in the information for sending them on the entry form.
 4. Remote technical support for the MEO API exposure platform, using the contact email: 5gapisprint.technicalsupport@altice.pt.
 5. Remote mentoring service for technological and business aspects of the product roadmap, using the contact email: 5gapisprint@altice.pt.
- e) On completion of the Solution development period, participants must respond to a questionnaire sent to them, aimed at gathering information about the work carried out, particularly regarding the prototype or application developed, objectives and use cases addressed, APIs used, results obtained, and other relevant information.
- f) Based on the contents of the questionnaire, MEO will conduct a preliminary evaluation and pre-select ten (10) finalists, according to the assessment criteria stated in Condition 9.
- g) The jury will be made up of MEO and Altice Labs employees.
- h) MEO will send an email to the ten (10) finalists and also inform the participants not selected for the final phase of this initiative by phone and/or email.
- i) MEO will schedule an online meeting with each of the ten (10) finalists to present their Solution for evaluation and select the three winners. Participant attendance is mandatory, except when proven to be impossible.
- The announcement of the three (3) winners will be made via phone and/or email, and their identities will be published on the initiative's website at <https://www.meo.pt/empresas/5g-api-sprint>.
- j) By participating in this initiative, the winners consent to the disclosure of their names and the free use of them for advertising purposes for the results announcement. They also agree to record a video, either in-person or remotely, providing testimony of their participation in the 5G API SPRINT, to be scheduled within three (3) days following the winners announcement.

8. LIABILITY

- a) Participants are responsible for any damages and/or losses caused to MEO and third parties, attributable to them by wilful misconduct or negligence.
- b) Participants must comply with all rules and procedures indicated in this Regulation and inform MEO about any difficulties that prevent access to the platform and the development of the

Solution mentioned in the form. MEO will not be held liable for any non-compliance with the obligations set forth in this Regulation by participants.

- c) Any costs incurred by participants in participating in this initiative will be borne entirely by the participants.

9. EVALUATION

The Solutions will be evaluated using the criteria and weightings presented below, on a scale of 0 to 5. The Jury's decision is final, and participants have no right to appeal.

- 1) API Utilization and Performance: 40%
- 2) Innovation and Differentiation: 30%
- 3) Growth Potential: 20%
- 4) Impact (Environmental, Social, and Governance): 10%

The criteria are based on the following rationale:

1) API Utilization and Performance:

The Solution should perform well and include security features, maximizing the potential of network APIs while being mindful of user experience. This criterion will also receive a good rating when the project demonstrates:

- Utilization of all relevant network APIs within the context of the developed application and addressed use case.
- Quick response time of the application when using the API(s).
- Mechanisms for application recovery in case of API connection failures (i.e., Error Handling).
- User-friendly interfaces, intuitive and easy to navigate. Interactions with the API without compromising overall user experience.
- Ability to provide adequate user feedback during operations dependent on network API, such as data loading or connection failures.
- Smoother and faster navigation experience thanks to the use of the mobile network API.
- Ability to customize the application according to user preferences, such as choosing service quality or prioritizing certain network tasks.

2) Innovation and Differentiation:

The Solution solves the problem/need of its (potential) target user in a very different, disruptive, and optimized manner, justifying why the market would choose this product or service over another. Whenever applicable, this criterion will also receive a good rating when the project demonstrates the ability to:

- Offer a truly unique value proposition.
- Engage users by providing innovative experiences based on data and content, as well as enabling functionality convergence across different devices.
- Connect customers to brands through cutting-edge digital advertising platforms/applications.

3) Growth Potential:

The Solution should have a credible and interesting business model that allows for satisfactory and sustainable financial growth, as well as being applicable to other markets. This criterion will also receive a good rating when the project demonstrates the ability to:

- Significantly contribute to a specific (business) area, enhancing its evolution.
- Transform business models, building innovative products/user experiences based on real customer behaviours and diversified approaches.
- Optimize future business operations, digitalize key customer processes and channels, enriching services with premium content offerings whenever applicable.

4) ESG Impact:

The Solution, due to its innovative character, contributes to societal development and the improvement of services provided to citizens. This criterion will also receive a good rating when the project demonstrates the ability to:

- Generate value for all stakeholders, addressing Environmental, Social, and Corporate Governance dimensions.
- Create opportunities for generating positive social change.
- Contribute to the development of sustainable solutions aimed at creating environmental impact.

10. INITIATIVE SCHEDULE

a) The initiative will follow this schedule:

- Application: November 14, 2024, to December 11, 2024
- Solution development period: until February 14, 2025
- Participant questionnaire submission: February 17, 2025
- Questionnaire response deadline: February 24, 2025
- Announcement of the 10 finalists: February 28, 2025
- Meetings with the 10 finalists to select the 3 winners: March 3 to March 14, 2025
- Announcement of the winners: March 19, 2025

b) MEO reserves the right to unilaterally extend or change some of the deadlines and/or dates listed above, with notice published on this website: <https://www.meo.pt/empresas/5g-api-sprint>.

11. INTELLECTUAL PROPERTY

- a) Each Party retains ownership of the industrial/intellectual property rights of the know-how, products, software platforms, equipment, documents, materials, and/or any developments they provide within the scope of the initiative and the construction or development of Solutions.
- b) The intellectual property of the Solutions presented, and their materials, as well as the associated know-how and documentation, will be the sole and exclusive property of the respective participant.
- c) In the case of joint developments between participants and MEO, carried out after the initiative, the respective terms of which the parties will commit to formalizing in writing, the distribution of property rights will be based on each party's participation in the developments and their respective costs.
- d) Without prejudice to the provisions of subparagraph c), it is mutually accepted that none of the participants, nor MEO, may carry out developments on the products and other components referred to in subparagraph a) without the prior written consent of the party to whom the respective industrial/intellectual property rights belong.
- e) Participants will be responsible for any third-party licenses required for the proper functioning of the Solution to be presented and assume all responsibility arising from third-party claims regarding copyright and related rights, as well as industrial property rights.
- f) Participants will be solely and exclusively responsible for the content of texts and multimedia videos created to testify about their participation in the initiative, if any such exist, with MEO committing to reproduce them without modification. Participants authorize MEO to disclose these contents and process their personal data as provided for in subparagraph c) of point 14. Participants who provide this material to MEO agree and accept that the respective disclosure will not be remunerated.
- g) The 10 (ten) finalist participants may also use multimedia material they developed (demonstration videos, testimonies, or similar) in meetings with the Jury, which will be their property and exclusive responsibility, and the provisions of the previous subparagraph apply.
- h) Participants accept that the Solutions and any of their functionalities do not infringe or violate any third-party rights and do not appear offensive, injurious, defamatory, illegal, or unlawful.

12. PRIZES AND BENEFITS

- a) The 3 (three) winners will receive a prize of €5,000 (five thousand euros), subject to withholding tax in accordance with the Corporate Income Tax (IRC) Code.
- b) Winners who are startups will also receive 1 (one) access pass to the Web Summit 2025 in Lisbon, if they meet the startup eligibility criteria defined by the Web Summit organization for the 2025 edition.
- c) The 10 (ten) finalist participants will have free access to the MEO API platform for one year, which may be subject to some unscheduled periods of unavailability for its evolution, with best-effort SLA restoration and variation in the list of available APIs.

- d) Participation in this initiative also allows the Parties to agree on the terms of a potential partnership through the signing of a memorandum of understanding (MoU) with MEO for the realization of a proof of concept (PoC), aiming at the technical and pre-commercial evolution of the Solution.
- e) The winners also benefit from the disclosure of their identity in various media, as well as on the MEO website and social media, to promote the Solutions presented in the initiative and contribute to their market projection. In this situation, the provisions of Condition 11 apply.
- f) MEO may replace any of the prizes with others of equal value and characteristics, amending the Regulation accordingly and communicating it to the participants.

13. DISQUALIFICATION

- a) A participant will be disqualified if they:
 - Do not respond continuously to MEO's contacts (email and/or phone) and requests;
 - Do not respond to the questionnaire sent by MEO;
 - If a finalist, does not attend the meeting scheduled by MEO;
 - Do not comply with the rules of this Regulation, MEO's guidelines, and the principles of fair play and good faith.
- b) A participant will also be disqualified if they are proven to have obtained any advantage and/or benefit improperly, whether through third parties or the use of fraudulent means and/or any other mechanisms deemed inappropriate by MEO within the scope of this initiative.
- c) Solutions that are, in whole or in part, copies or reproductions of existing ones will not be accepted.

14. PERSONAL DATA PROCESSING

- a) Within this initiative, and whenever a participant provides their personal data, such data will be processed by MEO, as the data controller, in accordance with the personal data protection legislation presently in force, namely Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 ("GDPR") and Law No. 58/2019, of 8 August, for carrying out all procedures inherent to participation in this initiative and receipt of prizes.
- b) MEO, in accordance with the legal terms in force, guarantees participants the exercise, at any time, of their respective rights, namely the right to access, rectify, update, restrict, and erase their personal data (except for data indispensable for participation in the initiative and receipt of prizes or for compliance with legal obligations to which MEO is subject as the data controller), as well as the right to withdraw consent at any time without affecting the lawfulness of processing based on consent prior to its withdrawal.
- c) If the data subject needs to contact the data controller, they may do so via written communication addressed to MEO – Serviços de Comunicações e Multimédia, S.A., at Av. Fontes Pereira de Melo, n° 40, 1069-300 Lisbon.

- d) Within the scope of this initiative, the following personal data of participants will be processed: name, address, mobile phone number, email address, and date of birth.
- e) The personal data requested on the application form is essential for participation in this initiative. The omission or inaccuracy of the data provided by participants is their sole responsibility and may lead to refusal or exclusion from participation.
- f) The legal basis for the processing of data for the purposes of this initiative is the consent of the respective data subject by accepting these Regulations.
- g) The purposes of processing personal data are: participation in this initiative, including the announcement of winners and corresponding awarding of prizes with the publication of their names, free advertising for the publication of results and recording of a video, in person or remotely, with testimony regarding participation in the 5G API SPRINT initiative.
- h) By applying and participating in this initiative, participants agree to the content of this Regulation, authorizing MEO to use, edit, publish, reproduce, and disclose, through newspapers, magazines, television, cinema, radio, the internet, or any other medium or means of communication, without charge and without the need for additional authorization, their names, voices, images, solutions created or developed, companies, or brands, both nationally and internationally, solely for the purpose of publicizing the initiative and/or products, solutions, and activities of Altice Portugal Group companies.
- i) If participants specifically, advisedly, and unequivocally express their consent, their respective personal data may also be processed by the data controller for the purpose of sending marketing communications related to products and services of MEO – Serviços de Comunicações e Multimédia, S.A.
- j) Participants' personal data may be transmitted by MEO to Altice Labs and other Partners exclusively for the purposes of operationalizing and implementing this initiative.
- k) Personal data will be processed automatically and stored for the necessary duration to achieve the purposes within the scope and for the purposes of this initiative unless a different period results from the law.
- l) The data subject, should they wish to, may address a communication to MEO's Data Protection Officer regarding matters related to the processing of personal data, using the following email address: DPOAlticePortugal@telecom.pt
- m) The data subject has the right to lodge complaints with the Control Authority CNPD – Comissão Nacional de Proteção de Dados, through the contacts provided by this entity at <https://www.cnpd.pt/>
- n) MEO is not responsible for the use of public and/or private databases by participants, and it is the participants sole and full responsibility to ensure their reliability and legality.
- o) For more information on the processing of personal data, please refer to MEO's Personal Data Protection Policy at: www.altice.pt/pt/politica-privacidade

15. GENERAL PROVISIONS

- a) MEO may, at any time and whenever deemed necessary, amend the rules of this Regulation, proceeding to rectify them and place the updated version on the page <https://www.meo.pt/empresas/5g-api-sprint>.
- b) The initiative may be interrupted or suspended due to force majeure or other reasons that critically impact its execution, without any indemnity or compensation being due to participants and/or third parties. If any of these situations occur, MEO will make every effort to continue the initiative and avoid its cancellation due to total impossibility of execution.
- c) Participants agree to indemnify MEO if it receives any claim or compensation request regarding the presentation of a Solution that does not comply with the provisions of this Regulation.
- d) Any omitted cases not provided for in this Regulation will be evaluated and resolved by MEO, and participants will be informed of the decisions.
- e) Any disputes, claims, or complaints that arise between participants and MEO will be resolved exclusively by the Court of Lisbon, waiving any other.
- f) MEO will notify all participants who have applied and make any necessary announcements by phone call, SMS, and/or email, through the email: 5gapisprint@altice.pt.
- g) Registered participants are fully responsible for monitoring any changes to the Regulation, the updated version of which will always be available at <https://www.meo.pt/empresas/5g-api-sprint> and for following the initiative's schedule.

Participation in this initiative implies the knowledge and full acceptance by any participant of this Regulation, and MEO reserves the right to refuse participation of any participant who does not comply with them.