**Ucom CJSC**

**REQUEST FOR PROPOSAL**

**for**

**UICC cards**

**&**

**OTA Gateway**

Yerevan, 01.10.2024

**Request for Proposal (RFP)**

republic of Armenia

Ucom CJSC, Procurement of UICC cards & OTA Gateway

**RFP No: UC – 244075**

Introduction

Ucom CJSC is a broadband service provider with licenses for voice, international gateway, and Internet services.

This document comprises Ucom CJSC and appears as a Request for Proposal (RFP) for the Procurement of UICC CARDS & OTA GATEWAY, of Forecasted quantity until **300,000 units** for 1 year, with an opportunity of prolongation

# Purpose

This RFP describes technical and other requirements of UICC cards, dedicated for UCOM VoLTE network.

The following documentation packs shall be delivered by RFP Participant:

* Quotation & other required data (filled in a MS Excel document provided by Ucom).
* Technical specifications of the UICC cards (to be provided by the RFP Participant in a separate PDF document)
* RFP Participant’s applets specifications.
* OTA Gateways specifications.
* eSIM and SM-DP+ products specifications and details.
* Document with breakdown of all OTA Gateway details (HW, SW, integration, maintenance, trainings, etc.).
* Presentation/s and other whitepapers providing more information about proposed solution, as well as any recommendations that could improve the quality and security of UICC cards.
* Own vision and recommendations about requested applications details could be discussed and agreed on further stages.
* Presentation about the RFP Participant Company (to be provided by the RFP Participant in a separate document).

# General requirements

This section describes general requirements for the UICC cards. The RFP Participant shall confirm that:

* UICC cards shall be compatible with 3GPP R8/9.
* UICC cards shall be compatible with 2G/3G/4G networks and able to work in the LTE/VoLTE environment.

The supplier shall provide data concerning the following applets, details of which are described in the ***Annex 1.***

* 1. Renumbering in roaming
  2. Preferred network list
  3. STK (content will be defined later)
  4. IMEI Catcher
  5. Dual IMSI
* The RFP Participant should indicate the memory required for all mentioned applets.
* The RFP Participant should indicate if they can use applications already developed by a 3rd party company.
* Besides mentioned applets, the RFP Participant is invited to provide the list of other applications that are available in the portfolio.
* The RFP Participant shall indicate the total memory size available for the 2G and 3G Phone Book and SMS after implementation of the abovementioned applets. The 2G Phonebook should be able to store basic entries. The enhanced 3G Phonebook of UICC should be able to handle email, second name and other entries like office numbers, groups etc.
* 2G operation mode of the UICC shall be compliant to 3GPP 51.011 (Rel-4) fully.
* The RFP participant should indicate availability of eSIM product in the portfolio and provide technical specifications together with pricelist, and conformance to GSMA requirements.

# Security

The RFP Participant shall be responsible for safe custody of all algorithms, authentication keyand other data made over to him for customization/personalization of UICC cards as per Ucom requirement.

The RFP Participant should provide detailed steps of personalization including interface to Billing and Customer Care systems for data transfer, format etc.

The RFP Participant shall ensure that all authentication and security related data of the purchaser are handled with utmost confidentiality and that such data are made over back to Ucom at the expiry of the contract.

# Branding and printing

For the purpose of network branding, it shall be possible to print artwork containing operator’s logo and other network related information on UICC card with high precision and quality. It shall be possible to accommodate any change in the artwork design in the subsequent batch of UICC cards. It should also be possible to update the SPN file over-the-air, for purposes of network branding.

UICC card should have options to be encapsulated into the both full-size (credit card size) and half-size (half of credit card size), which will have 4-color printing. PIN/PUK/ICCID should be printed on the bracket as well (optional).

The artwork & design of the UICC cards will be specified at the ordering stage. The cards need to be printed in multi colors as per Ucom requirements.

# OTA gateway

The RFP Participant should provide data concerning OTA gateway, in case the device is available in their portfolio.

# Pricing model

The RFP Participant shall provide the pricing data in a separate MS Excel file named ***Annex 2.***

Besides UICC cards, the RFP Participant should provide the same table for ISIM cards including all necessary customization/development works and optional items.

The RFP Participant shall list also all possible optional points that can be faced by Ucom and be charged by RFP Participant during the partnership.

# Others

#### By submission of documentary evidence in its proposal, the Bidder must establish to the Purchaser’s satisfaction:

#### Authorized representatives of the eligible bidder shall be entitled to request clarifications regarding all of the RFP documents by submitting requests by e-mails to: Mr. Hmayak Yezekyan ([Hmayak.Yezekyan@ucom.am](mailto:Hmayak.Yezekyan@ucom.am)) and Mr. Armen Mikayelyan ([Armen.Mikayelyan@ucom.am](mailto:Armen.Mikayelyan@ucom.am)).

#### At any time prior to the deadline for submission of proposals, Ucom may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, amend the RFP, cancel the RFP process, veto any, by Supplier, proposed assigned team member(s) in Supplier’s team. The request for clarification and the response shall be in writing.

#### The Supplier shall bear all its costs for the competition and RFP process. Ucom shall under no circumstance be liable for any cost for the Supplier’s competition process, regardless of whether or not the Supplier is selected.

#### During the proposals evaluation period the Ucom will request card sample(s), for testing and analyses, which should be provided in the agreed timing (but no longer than 10 calendar days). The Supplier shall bear the cost for the sample(s) provided.

#### *Sample Submission for Testing Purposes:* During the evaluation period, the bidding entity may be requested to provide samples of the proposed product/service for thorough testing and assessment by the evaluating team. The purpose of this requirement is to ensure that the offered solution meets the stated requirements and standards outlined in this RFP. The sample submission for testing purposes should be done *free of charge.*

#### The Bidders shall submit their proposals electronically to Mr. Hmayak Yezekyan ([Hmayak.Yezekyan@ucom.am](mailto:Hmayak.Yezekyan@ucom.am)) and Mr. Armen Mikayelyan ([Armen.Mikayelyan@ucom.am](mailto:Armen.Mikayelyan@ucom.am)), not later than October 18 of 2024 year, 18:00 (Armenia time), and the letter should be clearly marked RFP No: UC- 244075. *Later bids will be rejected by the Purchaser.*

#### Proposals shall remain valid, at a minimum of 60 (sixty) days after the deadline date for proposal submission prescribed by the Purchaser. A proposal valid for a shorter period may be rejected by the Purchaser as non-responsive.

## *This RFP and other related documents (as well as the communication) included are strictly confidential, the “Receiving Party” shall keep confidential and shall not, divulge to any third party any documents, data, or other information. Failure of the Bidder to comply with the request may result in the rejection of its Proposal and further cooperation.*

## *Notwithstanding the above point, the Receiver may furnish Confidential Information of this RFP: (i) to its support service suppliers and their subcontractors and its subcontractor to the extent reasonably required for them to perform their work under their contracts; in which event the Receiving Party shall ensure that the person to whom it furnishes Confidential Information of the Disclosing Party is aware of and abides by the Receiving Party’s obligations under this point as if that person were party to the Contract in place of the Receiving Party.*

# Annex 1 Description of UICC applets/functions

**Renumbering in roaming**

The applet shall store the following information:

* Renumbering rules:
  + Original number mask, i.e. 0%
  + Destination number mask, i.e. +374%
* Home MCC+MNC

Where % - is any string with length of 8 symbols.

Applet shall automatically detect any registration attempt of the subscriber's handset.

Applet shall become active when it detects that the subscriber is registered in the PLMN other than stored one.

When active, the applet shall perform renumbering when the number is dialed.

When the number is dialed, applet shall perform the following actions:

* if dialed number corresponds to the stored number masks, perform transformation according to renumbering rule for this initial number mask and substitute initial dialed number with the transformed one;
* if the number does not correspond to initial number mask, skip this number.

Applet shall support the following methods of update renumbering rules:

* via OTA (corresponding API for OTA updates should be provided by vendor);
* using special Software at Customer Service Centre (corresponding API should be provided by vendor).

**Preferred network list**

The file shall store the following information:

* The list containing MCC+MNC of 15 preferred networks
* Home MCC+MNC

Once network registration attempt is detected, applet should:

* Compare available (detected) networks’ MCC+MNC with the stored list;
* If any MCC+MNC from the stored list is matching with detected list, Location Update must be performed with matched network;
* If Home MCC+MNC is detected, no further check is needed, and Location Update must be performed with HPLMN

It shall be possible to update the list of preferred networks using special Software at Customer Service Centre (corresponding API should be provided by vendor), or via OTA.

**IMEI Catcher**

Once the handset is on, applet shall read IMEI (or SAC) of the handset and compare it with the stored one.

If the stored IMEI (or SAC) differs from the detected one, applet shall send a short text message to the predefined number with IMEI of the device.

**End of RFP**