**GETO2PUK Application**

**Requirement Document V0.1**

Contents

[1. Overview 3](#_Toc465356620)

[2. Access to the Application 3](#_Toc465356621)

[3. Project GETO2PUK 3](#_Toc465356622)

## 1. Overview

**1.1 Background:**

The GetO2PUK should allow a valid O2 Customer to get a PUK Code for their phone in case of Phone Lock and give detailed information on how to use that PUK with different handsets available.

**1.2 Requirement**:

Currently, GetO2PUK works on Babelfish which will be decommissioned. Also, there are some security vulnerabilities.

1) Babelfish to be replaced by Access gateway.

2) Implement Google captcha as there are security vulnerabilities.

3) All communication to Access gateway to be secured as per standards i.e. on SHA2 & TLS 1.2.

## 2. Access to the Application

The GETO2PUK application allows users to enter their mobile number, and calls Access Gateway to retrieve the unlock code (PUK code) for that mobile number. After MSISDN validation is successful, it goes through Google Captcha and retrieves respective PUK via SOA service call. The application displays the returned PUK code to the user or an appropriate error message in case of invalid MSISDN (like non-o2 number, system unavailable, unknown puk code, etc.)

## 3. Project GETO2PUK

**Introduction:**

Project is to deliver a PUK to an O2 customer whose mobile is locked. The following sections cover the requirement of GETO2PUK.

|  |  |  |
| --- | --- | --- |
| **Id.** | **Requirement** | **Description** |
| **TTRE. 1** | **PUK generation with Google Captcha validation** | * To verify of PUK is generated for blocked O2 MSISDN with Google Captcha validation |