



Scope of work

DATE	SERVICES PERFORMED BY:	SERVICES PERFORMED FOR:
20/09/2025		Proveneu

Scope of work

The following is the scope of work that is expected from you.



Build an enterprise-grade API utility "EKYC" that can scan KYC id documents (E.g. Passport and Country ID) (pdf) submitted to it by an API call and provide a response that allows the calling function to understand the quality of the document, information validity and digital readout of the document

DETAILED SCOPE FOR EKYC

Functional requirements:

1. API
 - i. Should have a publicly available calling method that the calling programs can use to either provide single files or multiple files for processing
 - ii. Ability to clean/format the scanned document for OCR reading
 - iii. Ability to comprehend if it is 1 image or 2 image (Front/Back)
 - iv. Ability to read the MRZ on the document and capture the information
 - v. Ability to compare MRZ read information with the information on the document
 - vi. Ability to score the submitted document based on pre-set parameters
 - vii. Ability to provide a success/failure flag if the document is not valid based on the document types allowed if the document is not readable
2. Learn and Configure Document utility (System Administrators only)
 - i. Learn and classify document types by loading ideal documents
 - ii. Set scoring parameters based on the document elements on the document type submitted
 - iii. Ability to store such documents so that API program can use it for document scanning and output

Non-functional requirements:

3. Authenticate calling method for approval before processing
4. Installed on premise server with all calls and information being limited to local calls only
5. Ability to receive multiple formats of document (PDF, JPEG)
6. Robust error handling abilities
7. Enterprise grade logging and alerting mechanisms
8. Ability to handle single and bulk transactions
9. Response time per document less than 60ms
10. Aligned with the DPA rules of Botswana
11. Meet enterprise grade security and availability requirements (E.g. Repel Denial of Service attacks)

Deliverable materials

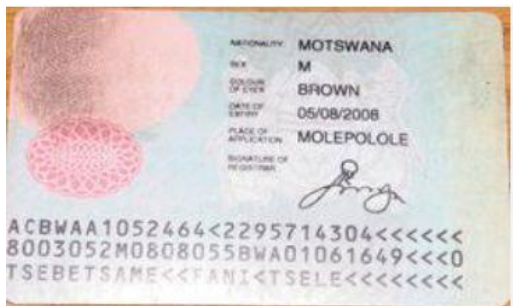
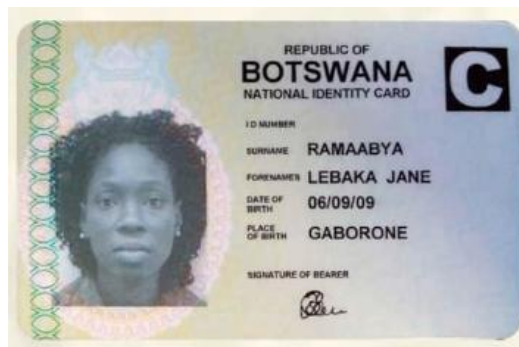


The following are the minimum expectations for deliverables. These deliverables need to be shared by the vendor to consider the project as completed and closed.

2. Deliverables:
 1. Working Software
 2. Test data with atleast 5 different document types and 100 scanned documents for each document type.
 3. Scanned documents should be a mix of the following:
 - i. Clean and good resolution pdf/jpeg copies – 25%
 - ii. Clean and good resolution pdf/jpeg copies but inverted, at an angle, slightly cropped from the edges – 35%
 - iii. Scratched low quality resolution pdf/jpeg copies but readable by human eye – 20%
 - iv. Poor quality resolution pdf/jpeg copies not easily readable by human eye – 10%
 - v. Invalid documents – 10%
 4. Test results showing correct scanning and output for the above documents
 5. Reports for administration, Usage, Transaction details and metrics, audit trail, issues logged etc.
 6. Solution design document
 7. Training document
 8. Code in SAIS git hub with documentation
 9. Build and Deploy files
 10. Training for administrator for storing and classifying document types

11. Training for developers on calling API's

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[illegible]

1. First name
2. Last name
3. Country of issue
4. Nationality
5. Date of birth
6. Age
7. Sex / gender
8. Passport number
9. Expiration date