

**STATISTICS UNWTO CAPACITY BUILDING
PROGRAMME FOR AFRICA
WORKSHOP IV, 25-27 AUGUST 2010,
JOHANNESBURG
SOUTH AFRICA**

26 AUGUST 2010



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BACKGROUND

The New Movement Control System provides for:

- Real-time passenger verification at the Ports of Entry (POEs) thereby significantly enhancing the security of SA's borders.

- Passport Scanning Technology.



- Enhanced security through passport verification.



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DRIVERS FOR CHANGE

The following challenges were not adequately addressed by the Legacy MCS:

- **HUMAN ERROR:** The legacy MCS system relied on the manual capturing of passport and visa data. Any error invalidates the risk engine as it relies primarily on data matching ;
- **PRODUCTIVITY:** The process of manual data capture was and did not allow for the smooth and swift processing of in-bound passengers especially in large numbers;
- **FRAUDULENT DOCUMENTS:** The legacy MCS system relied on manual (physical) checks by officials to validate the authenticity of passports and visas; and
- **AGEING TECHNOLOGY:** The legacy MCS system is 25 years old and had significant technical limitations and did not evolve with the times.



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KEY FEATURES OF THE SYSTEM

The following are the key features of the system:

- Passenger processing (Departures, Arrivals and Transits).
- Processing of corporate workers and concession holders.
- Passport scanning and validation and the image sent to the Risk Engine.
- Pre-population of both machine readable and non-machine readable passports.
- Automatic and real-time passport expiry date verification



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BENEFITS

Some of the benefits of the system are:



- **Reducing human error:** the electronic scanning of passport and visas allows for error-free data capture
- **Enhancing productivity:** tests of a scanning solution for passports and visas shows that this can be done within an average of 10 seconds
- **Enhancing security:** The scanning solution provides a verification of the authenticity of passports and visas.
- **Non repudiation:** the new MCS allows the linking of transactions with the users who initiated those transactions in such a way that a user cannot deny having carried out the transactions.



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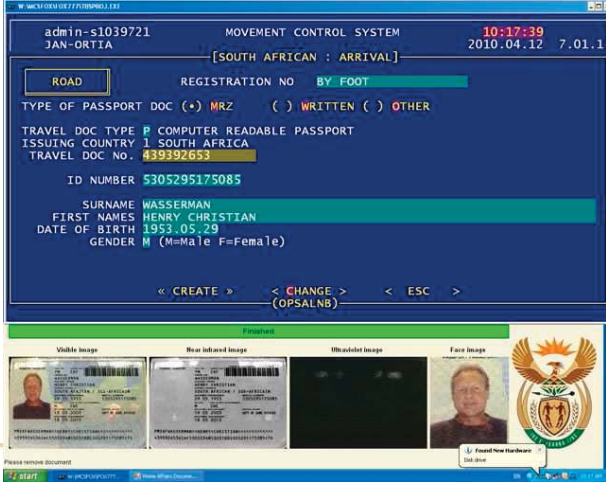


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DATA CAPTURED BY THE SYSTEM

The following fields are captured by the system:

- Capture Method
- Registration Number
- Travel Document Type
- Issuing Country
- Travel Document Number
- Passport Expiry Date
- Surname
- First Names
- Date of Birth
- Gender
- Country of Residence
- Purpose of Visit
- Occupation
- Visa Number & Expiry Date & Control No **OR**
- TRP Number & Expiry Date & Control No



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JAN-ORTIA [SOUTH AFRICAN : ARRIVAL] 2010.04.12 7.01.1

ROAD REGISTRATION NO BY FOOT

TYPE OF PASSPORT DOC (M) MRZ () WRITTEN () OTHER

TRAVEL DOC TYPE P COMPUTER READABLE PASSPORT
ISSUING COUNTRY 1 SOUTH AFRICA
TRAVEL DOC NO. 439392653

ID NUMBER 5305295175085

SURNAME WASSERMAN
FIRST NAMES HENRY CHRISTIAN
DATE OF BIRTH 1953.05.29
GENDER M (M=Male F=Female)

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PHASE 1 HIGHLIGHTS

To date, the following achievements were recorded:

- The system had been deployed at the POEs and is now being used to clear passengers.
- The rollout teams consisted of more than 200 personnel who were involved in executing
- Over 1,307 Immigration Officials were trained on the system. Over 5,386,435 transactions (Arrivals & Departures) processed since inception.
- Despite the tight deadlines and all other challenges, the project is an overall success and a great achievement.



THANK YOU SIYABONGA RE A LEBOGA