



# Data Exchange

## Maximizing Efficiency through the Use of the WCO Data Model in the SACU Region



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# Why do Standards Important Improve Efficiency?

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# Why Use the WCO Data Model?

## Reusability

Create library of implementations based on WCO Data Model.

Common understanding of data elements across different systems, jurisdictions and use cases.

## Maintainability

Common Standard allows you to assess impact of future changes over multiple implementations in a single "language".

## Interoperability

Easy to implement in multiple development tools and middleware applications.

Extend base implementations to cater for additional scenarios and/or unique requirements



## Structured and Unstructured Data

Caters for structured data as well as documents.

## Response and Error Handling

Response and Error Handling part of the data model, which is important for Asynchronous patterns of integration.

## Open Standard

WCO has published Data Model which allows it to be adopted by additional stakeholders.

# Use Cases within SACU

**Customs 2 Government**  
Sharing of Declaration Data and documents between customs and Central Bank



**Customs 2 Business**  
Electronic Submission of Customs Declarations and documents from Business to Customs

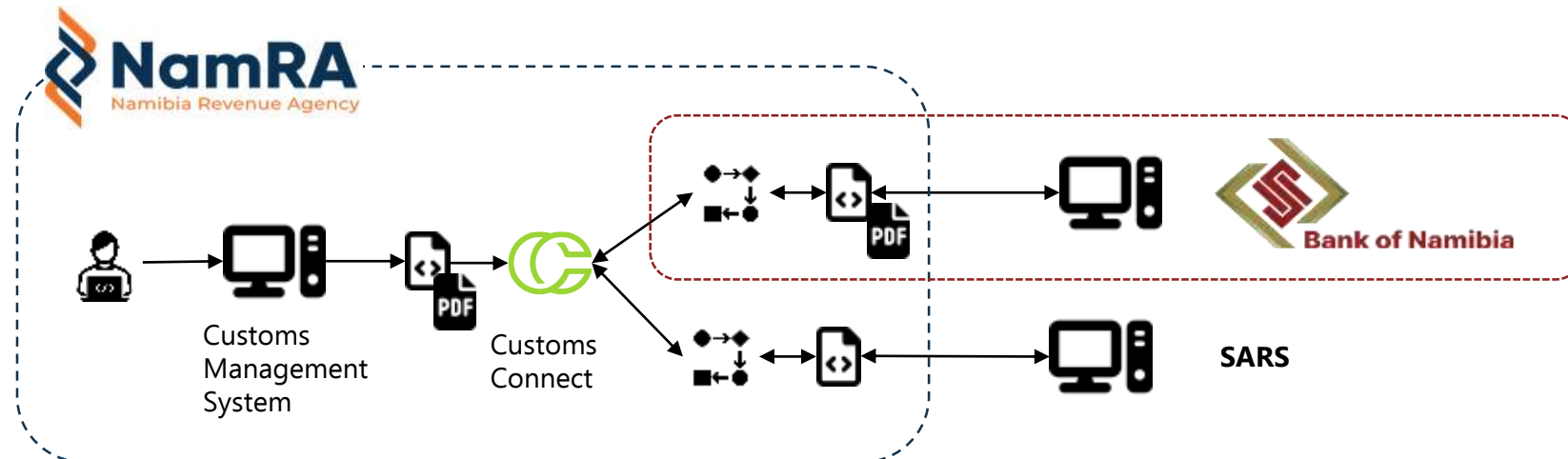
**Business 2 Business**  
Sharing of Declaration data and documents between importers/exporters and customs brokers.

**Customs 2 Customs**  
Sharing of Advanced Export Declaration data between member states.

# WCO Data Model - Maximising Efficiency



- Customs 2 Customs Connectivity
  - Implemented in 2020 between Namibia (NamRA) and South Africa (SARS).
  - Based on SACU YEIME (Your Export is My Entry) Utility Block
  - SACU YEIME implementation is based on WCO Data Model.
  - Unique Consignment Reference (UCR) Number for matching cross border declarations.
- Central Bank Connectivity (Customs 2 Government)
  - Exchange of Declaration data between NamRA and Bank of Namibia (BoN) in order to match goods and funds flows.
  - Reuse existing data exchange mechanisms and platform
    - Extension of the SACU YIEME Data Model to cater for Documents and other data elements
    - Additional triggers of the Customs Declaration Data
  - Reuse UCR Number and Customs Data for matching of Goods and Funds Flow





### Common Data Model

Reuse of common data model meant that only new data elements needed to be understood and mapped



### Infrastructure

Leveraging existing ICT Infrastructure reduced time and complexity to implement.



### State Management

Re-use of a common approach to error handling and state management



### Unstructured Data

The data model allowed us to include unstructured documents within the integration

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## Benefits of the WCO Data Model

The use of WCO Data Model and related instruments such as the UCR number significantly reduced the time to implement of the connectivity between NamRA and Bank of Namibia







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## Get in Touch



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