Kingdom of Morocco

**Ministry of Economy, Finance
and Administration Reform**

Online Customs Clearance

With BADR, Customs
is always simpler

■ ■ B@DR, the best technology to simplify customs procedures

Committed to the path of modernization and dematerialization, Customs and Excise Administration (CEA) has, for a long time, included among its strategic choices the contribution of new information and communication technologies to the ends of continuous improvement of the service provided to users.

Today, with the launching of B@DR (Computerized base of Customs network) Moroccan customs service has crossed a new and crucial landmark in its history and in the future of the country's commercial interactions.

Henceforth, customs clearance in Morocco is taking on a new dimension : simplicity of access and use, rapidity, transparency and lower processing costs, traceability and transaction security.

With the aim of guaranteeing greater efficiency of customs operations, B@DR is, in more than one way, a strategic tool in the network of customs governance given its performance, the level of integration and visibility it offers, and the advanced technologies used.

Meeting internal and external functional requirements, B@DR covers all customs activities (summary and detailed declarations, inspection, liquidation, integrated tariffs, payment, authorization for goods retrieval, management of departures from reserved localities, …). It brings customs process automation to an unprecedented level (with a rate of functional coverage exceeding 99%).

■ ■ B@DR, innovation at the service of performance

Capitalization on the previous experience of Customs, a pioneer in online operations thanks to the SADOC system, allowed the development of major technological innovations through the implementation of B@DR.

Indeed, in successfully rising to the challenge of a transition from a proprietary system to a largely configured and open system based on Internet standards, Customs Administration offers a user-friendly product, establishing a substantial advance in its project of creating a totally electronic customs clearance.

The objective is to develop the level of reactivity of the CEA to meet the urgent and constantly changing needs of customs environment.
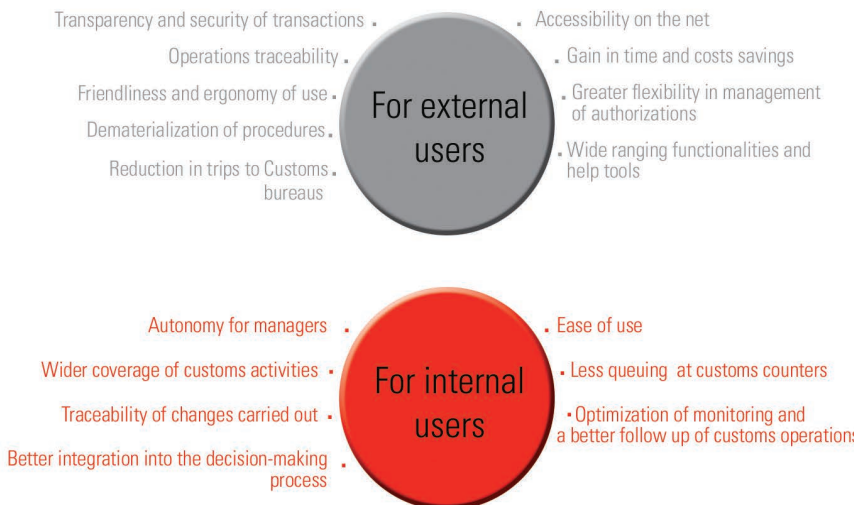
■ ■ B@DR : benefits primarily for business

By implementing B@DR, Customs and Excise Administration is seeking to evolve alongside business and actively contribute to its development.

The implementation of this system gives birth to new working methods that will mark a substantial change in the general customs and logistics environment thereby introducing a clear-cut reduction in operation processing time and resulting in a better response to business expectations and contributing to the strengthening of its competitive capacities at national and international level.

Synonymous with promptness, B@DR introduces far-reaching changes and brings substantial improvements to the customs clearance process, to the benefit of the population of external users as well as internal customs officials.

Thus, by clearly contributing to the transition from conventional administrative management to electronic management of public services, B@DR offers a broad range of advantages for both users and Customs officials : transparency, visibility and dematerialization…

Its launching occurred along with a reengineering of customs procedures which led to the removal of more than 60 of them.

Transparency and security of transactions .
Operations traceability .
Friendliness and ergonomy of use .
Dematerialization of procedures .
Reduction in trips to Customs .
bureaus

For external users

. Accessibility on the net
. Gain in time and costs savings
. Greater flexibility in management of authorizations
. Wide ranging functionalities and help tools

Autonomy for managers .
Wider coverage of customs activities .
Traceability of changes carried out .
Better integration into the decision-making process .

For internal users

. Ease of use
. Less queuing at customs counters
. Optimization of monitoring and a better follow up of customs operations

■ ■ B@DR : ease of use together with security

B@DR has been designed as a perfectly secured system.

After the launch of B@DR on the web, security became the heart of Customs concerns. In this regard an infrastructure of network security combining a series of software and hardware devices, as well architectural aspects was set up. The authentification phase of access to B@DR was strengthened thanks to a compulsory passage via an infrastructure for the management of cryptographic keys issued by a third party authorized in Morocco.
The end user therefore benefits from all guarantees of confidentiality and security. Authentification is ensured by an electronic certificate that the user can revoke by connecting to the website of the certificate supplier. Further, B@DR ensures the complete management of the operations history and total traceability of all interventions carried out on the system.

■ ■ B@DR : a customer-oriented e-gov product

B@DR is fully in line with e-gov logic. It aims at facilitating the task of the operator and the citizen through dematerializing customs' formalities.

DIGITALIZATION OF CUSTOMS CLEARANCE CIRCUIT

A secure electronic signature solution for accounting and its supporting documents has been established for all types of declarations, according to the law 53-05 governing the subject matter.

Concretely, the declarant can carry out more than thirty operations directly from home. This ranges from the registration of his declaration, to the payment of duty and tax including applications for amendment, requests for release, or even checking the current stage of the operation.

Payment methods have also been diversified by the introduction of multi-channel payment, offering operators all the possibilities for paying customs debts due: direct debit, credit card, bank branch, automatic teller machine (ATM), m-banking (payment with mobiles), e-banking (payment on a bank's website) and local service point.

The scope of automation has been extended to banking institutions, by the implementation of electronic validation of the guarantee deed for operations subscribed under economic procedures. This allows banks to access their customers' declarations, validate their guarantees and consult the status of the accounts they guarantee.
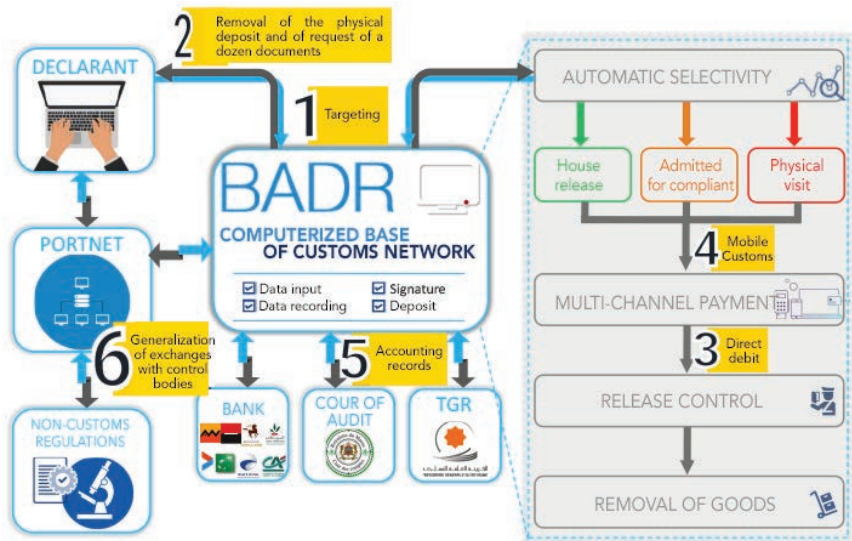
In addition, the digitalization of control results has been implemented with several partners of the Administration, in particular, the Ministry of Industry, Trade, Green and Digital Economy and the National Office for the Health Security of Food Products (ONSSA), through an electronic exchange circuit, via the single window of foreign trade «PortNet».

Thus, as soon as the accounting statement on B@DR system is registered for products subject to the controls of these bodies, the data necessary for the exercise of this control are sent to Portnet. The results of the control are automatically communicated to the competent customs service for the rest of the customs clearance operation.

With the objective of zero paper in sight, the Administration has set up a computerized process for issuing certificates of origin FORMULA A to cover Moroccan exports carried out under the Generalized System of Preferences (GSP) with several countries.

This new process allows the exporter or his legal representative to submit an application for a certificate of origin on BADR. This is then processed by the customs agent in charge of controlling the corresponding export declaration through the functionalities offered on the system.

For the purposes of authenticating the certificates issued, the Administration has put online on its website the necessary device for consulting the information according to several criteria.

Dematerialized customs clearance circuit
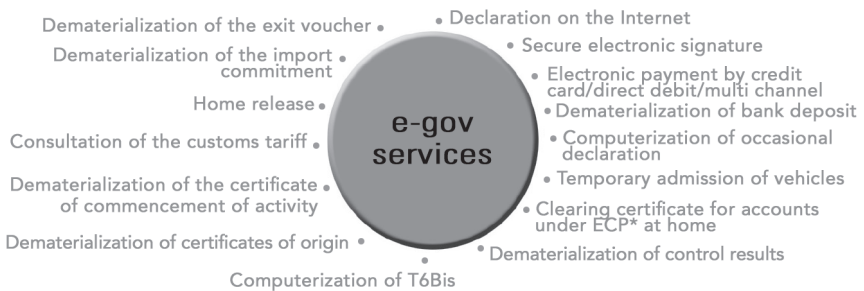
TEMPORARY ADMISSION OF VEHICLES

Determined to improve the reception conditions of non-resident in Morocco travellers and to reduce the time it takes for them to clear customs, the Administration has implemented a new process for submitting declarations of temporary admission of vehicles. A new system for handling identification elements of transport means has been put into service and a card is issued to the passenger to replace the «green» TA to be used during traffic controls on Moroccan territory. An automatic passport reading system has been put into service, speeding up the passage of our passengers.

TRIPTICS

Since July 27th, 2018, international road haulers have been entitled to a computerized process for simplified declarations of temporary admission and exportation of their means of transport.

The integration of these declarations into BADR with the electronic signature of the declarations made it possible to facilitate the process and give carriers more visibility on the import/export operations of their vehicles.

Demateralization of the exit voucher •
Dematerialization of the import •
commitment
Home release •

Consultation of the customs tariff •

Dematerialization of the certificate •
of commencement of activity

Dematerialization of certificates of origin •

Computerization of T6Bis

e-gov services

• Declaration on the Internet
• Secure electronic signature
• Electronic payment by credit card/direct debit/multi channel
• Dematerialization of bank deposit
• Computerization of occasional declaration
• Temporary admission of vehicles
• Clearing certificate for accounts under ECP* at home
• Dematerialization of control results

*ECP : Economic Customs Procedure

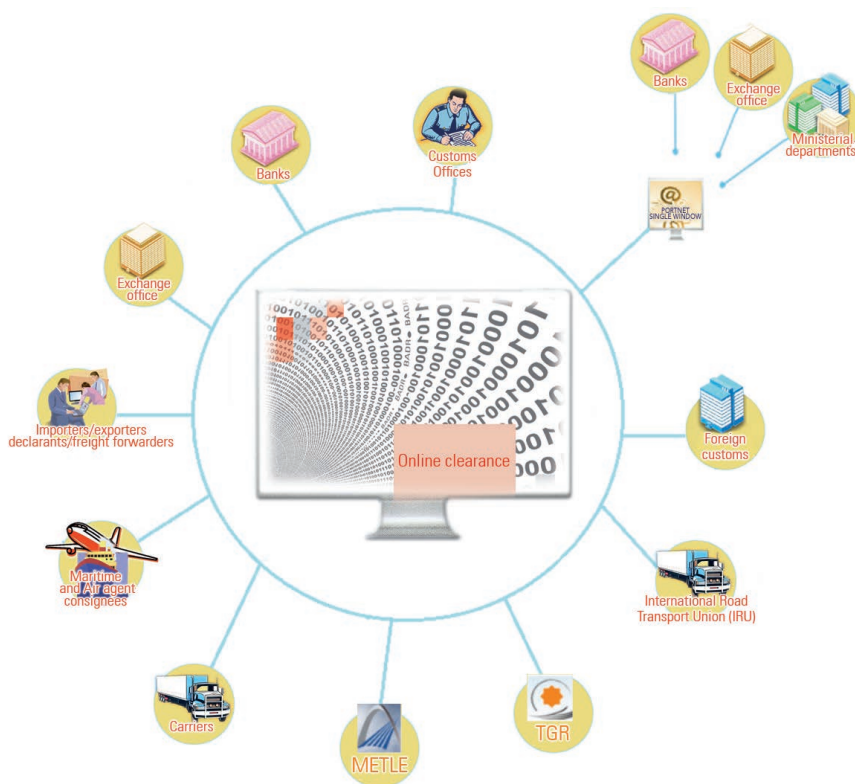## ■ ■ B@DR : several target populations and a common need for simplification

Intended for all stakeholders in the clearance chain, B@DR directly and indirectly involves a range of external commercial operators : freight forwarders, importers, exporters, carriers, shipping agents, air carriers, MEAD operators, store managers, ministerial departments of Industry, Agriculture, Health and Transport, the Exchange Office, the National Ports Agency, banks, TMSA (Tangier Med Special Agency), foreign customs, etc.

The latest advances in exchange with the partners concern the establishment of the necessary exchange circuit with the TGR (General Treasury of the Kingdom) as part of the State Accounting Plan (PCE), the generalization of the electronic circuit for the exchange of control results with the Department of Industry and ONSSA, the electronic validation of the act of bank guarantee for operations subscribed under economic procedures with the various banks of the place, the exchanges of certificates of identification and customs clearance of vehicles with the Ministry of Equipment, Transport, Logistics and Water, the exchanges of information relating to the declarations of the office of Tanger-Mediterranean (customs clearance or transit) with TMSA, exchanges of the certificate

of commencement of activity with the General Tax Administration, exchanges of computerized data declarations of Moroccan exports to the Federal Republic of Russia.

The optimization potential through integration with the information systems of the bodies mentioned above (after the advent of PORTNET, the single window of external trade in Morocco), leans one to expect a significant improvement of logistics in Morocco, and therefore of Moroccan external trade competitiveness.
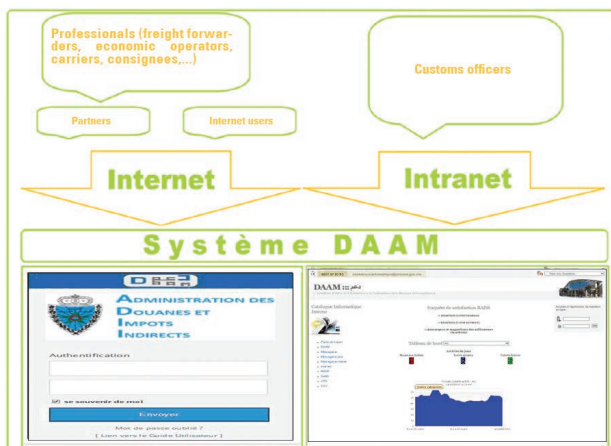
■ ■ B@DR : much easier assistance thanks to adapted tools

The assistance service called « DAAM » (aid and assistance system for IT use) has been adopted by Customs and Excise Administration for incidents management in connection with its information system. Based on an open source solution it has been adapted to Customs context.

Initially offered to customs officials to identify and take over their needs in terms of assistance, information requests and reporting of malfunctions, this service is today offered to external users. Professionals (freight forwarders, economic operators, carriers, consignees, ...) as well as internet users of Customs website and online services mentioned below can have recourse to it for their various needs and requests for assistance. The tools made available to them aim at guaranteeing better visibility and strict follow-up of their requests.

Online services :

- « BADR » on line clearance service
- Integrated « ADIL » tariff
- Follow-up of accounts subscribed under customs economic procedures
- Simulator for calculating duties and taxes payable for vehicle clearance
- Declaration for temporary admission of vehicles
- Consultation of Temporary Admissions of non-discharged vehicles

B@DR
THE MOROCCAN CUSTOMS SYSTEM FOR ELECTRONIC CLEARANCE OF IMPORT AND EXPORT GOODS

- Centralized, integrated and securitized system
- Beginning-to-end management of clearance operations
- Single database
- Several modules in just one system

1. Summary declaration
2. Taking control of detailed declarations
3. Integrated tarif
4. Risk analysis
5. Detailed declaration circuit
6. Control
7. Gestion des comptes RED
8. ECP accounts management
9. Liquidation payment and accounting
10. Multi-channel payment, by credit card and direct debit
11. Ecor (manifest tallying)
12. Vehicle clearance
13. Buying and selling of currency
14. The brigade registers
15. Litigation management
16. Management of custom clearance certificate
17. Movement of goods single declaration
18. Secure electronic signature of declarations and documents
19. Automated management of temporary admissions of travellers
20. The management of fraud notices
21. Investigation management

Le dédouanement en ligne

B@DR,
DUAL ACCESS VIA INTERNET and EDI (EDIFACT format)

B@ADR offers two methods of access to its users: Internet and EDI in EDIFACT format.

The Internet method is used by those users who do not have data to declare in electronic format and by customs officers participating in various phases of customs clearance.

The EDI method is perfectly adapted to operators providing data in digital format at the level of their information system (SIO). It also has the advantage of allowing work in disconnected mode.

B@DR,
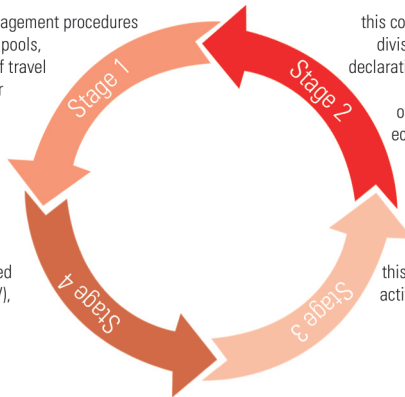### STATE-OF-THE-ART TECHNOLOGY

Open system and entirely customizable, Badr respects development standards and uses of latest technologies.

The architecture chosen for implementtation, J2EE (Java 2 Entreprise Edition), allows us to benefit natively from an applications server infrastructure offering, by means of internet, customized access which does not impose any prerequisites and with near unlimited capacities in terms of upgradability and resilience.

B@DR,
gradual development and implementation

This covers all of the management procedures of summary declarations, pools, storage and splitting up of travel documents whatever their mode of acquisition.

Stage 1

this corresponds to a practical division around the detailed declaration until the liquidation payment and release of goods. It also includes economic regime module selectivity, immediate and deferred checks and integrated tariff

Stage 2

This concerns areas related to vehicle clearance (MCV), express parcels and remunerated work.

Stage 4

this concerns the following activities: excise, litigation tand storage.

Stage 3

Technological terms of reference

. WEB
. J2EE, JAVA
. Architecture n-third party
. Individual framework integrating
  DAO, printing services, …

. XML
. ORACLE, UNIX
. CLUSTER (availability)
. Separated internal and external flows

Industrialized developments

Integrated development environment
Industrialized processes
Open source platform : SVN, Mantis, Sonar, Hudson, Maven, Nexus