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INFOSESSION E-GLOBALISATION

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E-GLOBALISATION

- ✓ Testing with Pilot Companies is ongoing
- ✓ Other companies have started their testing activities
- ✓ Based on remarks of the pilot companies :
  - ✓ Bugs have been corrected
  - ✓ Improvements have been added
- ✓ New performance tests have been executed
- ✓ Reports for our customs officers are available

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PLANNING E-GLOBALISATION

- ✓ Testing possible on our normal Test-environment
- ✓ Latest version E-globalisation deployed on Prod-environment
- ✓ E-globalisation activated in Prod as soon as 1 company is ready
- ✓ Other Companies :
  - ✓ Asap
  - ✓ Latest go-live : 1/2/2022

STREAM
SOFTWARE

SOFTWARE THAT STREAMLINES CUSTOMS AND LOGISTICS

Mission statement.

Stream Software delivers high quality software and services for logistics and customs systems, and focuses on operational and financial efficiency improvement.

Stream Software implements software using a pragmatic approach in order to support our clients' ongoing and long-term business requirements.

To achieve these goals, Stream Software is staffed with highly trained professionals who combine in depth knowledge of logistics and customs.

Our values are:

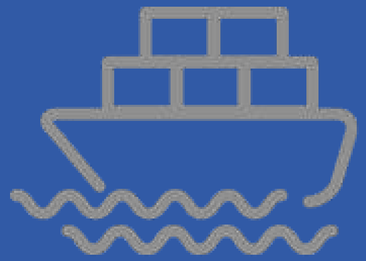
- Quality
- Efficiency
- Pragmatism
- Continuity
- Standardization

Governance.

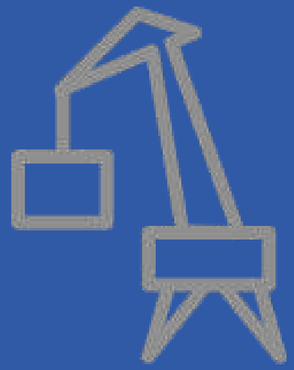
Stability in evolution.

- Family owned company with employees in the board of directors.
- Public Limited Company with protections against take over.
- 100 % Belgian company.
- ISO9001 certified.
- Strategy for the future:
  - Investment in knowledge : knowledge company.
  - Reinvestments in development and training in support of the companies growth.

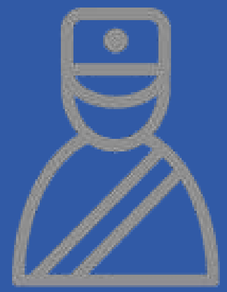
Who do we work for?



Industrial companies



Logistics service providers



Customs & excises

Customs procedures.

Stream Software delivers customs solutions for Belgium, the Netherlands and Luxemburg.

The below procedures are being supported:

- PLDA import export
- NCTS
- AGS
- Globalisation
- Bonded warehouse
- Inward / outward processing
- EMCS
- …

eGlob Pilot : Bleckmann – Fashion & Lifestyle logistics

Overview

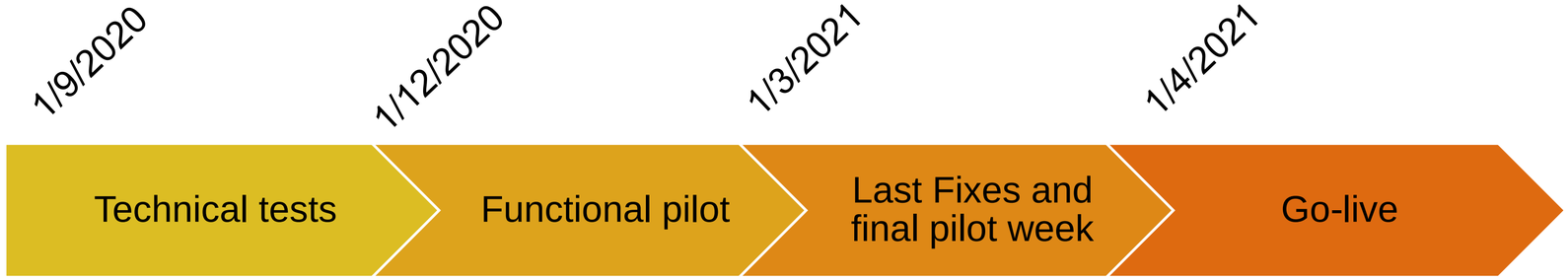
- Bonded Warehouse (BW)
  Entry with PLDA 71 00
  Outbound by globalization procedure 40 71

- Periodicity : weekly per end-customer

- Tests executed by feeding the testenvironment from production system
  with all receipts/deliveries in the BW (low-season)

- Transactions from 3 end-customers
  2023 shipments (=subsequents)
  17924 stock manipulations (inbound write-off)

Timing



eGlob Pilot : Bleckmann – Fashion & Lifestyle logistics

Results

- Start technical testperiod in september -> Mainly **Technical errors –** issues with Interface schemes (XSD)

- Alignment done with customs authorities & communication provider
  Necessary changes were done, few issues left to be fixed in March

  ⚠ if implementing without software partner -> reserve enough time!

- Test system eGLOB is not always available
  Take into account when planning tests

  ⚠ This can happen in production (emergency procedure) – do not wait unitl end of period , but send regularly
  E.g. Streamliner application sends on a daily basis, taking into account 1 or more days delay

eGlob Pilot : Bleckmann – Fashion & Lifestyle logistics

Results

- Start functional testperiod in december
- eGlob checks data based on software routines
  -> no margin for errors
  -> difference with past = dump in Excel with manual check
- Consignor information not available for all receipts in BW
  -> additional checks were added on all bonded receipts
  -> Need for historical data correct > big effort yet to be accomplished for remaining stock in BW for older receipts
- Master data in test environment
  -> not always up-to-date -> both in application as well as eGlob
  This resulted in many errors (e.g. REX met codes U164 & U165)
  -> Good indicator what the consequence of incomplete master data will be
- Additional check added on inbound to allow for smooth outbound via eGlob

eGlob Pilot : Bleckmann – Fashion & Lifestyle logistics

Results

- Good daily administration will be necessary
  - -> Streamliner Declarant Assist module checks data against Taric (EU+BE) to prevent unneccesary errors.
  - -> no routine can prevent credibility checks
    e.g. commodity codes taric rules based on weight & value
  - -> Previously full checks were impossible by customs authorities.
    Only sample tests were done with the Excel data.
  - -> adapt internal procedures (SOP) to perform adequate follow-up!

- Invalid Commodity codes
  - -> valid upon entry, invalid upon outbound
  - -> Streamliner Declarant Assist checks and prevent sending needlessly

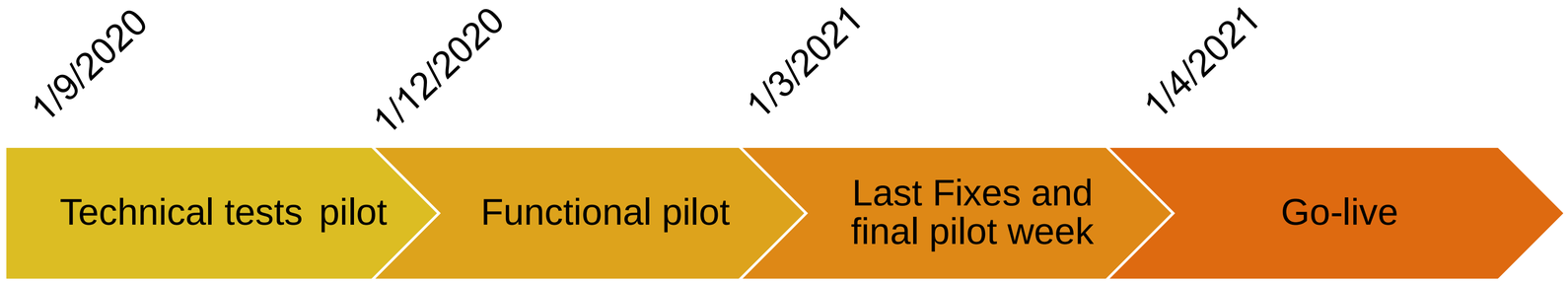
- Shipments with errors
  - -> Follow-up of erroneous shipments (=subsequents) must be done frequently
  - -> entry date must be within period

- Dut & VAT calculation – comparison to historical calcuation
  - -> Streamliner calculates import duties and BTW to compare
  - -> 100% match with returned information from authorities!

eGlob Pilot : Bleckmann – Fashion & Lifestyle logistics

Conclusion

- Pilot was succesful!
- Multiple periods between Dec/20 and Jan/21 were initialized, administered with subsequents and finalized with an MRN as result
- Few technical issues remain
- Comparison done of 1 period/week with the original globalisation – 100% match apart from explainable differences.
  Results were delivered to and analyzed by Kristof De Munter (D.A. Gent)



Special thanks to the customs authorities and our friends @ Bleckmann

Questions?

Our customers and partners!

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e-Globalisation - Pilot project with Scania

March 3rd, 2021

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MIC Corporate Overview

- Leader in Global Customs & Trade Compliance Management
  - Founded: 1988 in Linz – **33 years**
  - 400+ employees
  - ~ 46 Mio. EUR revenue
  - Organic Growth Strategy: ~ +15% per year
  - Family-owned and financial independent global software vendor with 1 single IT platform globally
- MIC Customs Solutions
  - Cover 55+ countries on 6 continents
  - Interfaces to established ERP-systems (e.g. SAP, ORACLE) legacy & tailor-made systems
  - Ready for Software-as-a-Service (SaaS) & optional as On-Premises
  - Used by 700+ multinational customers
- Cooperation with Local Boutique and Big 4 Consulting Firms
- One-Stop-Shop for GTM – Globally

Management Board - MIC Headquarters

Alfred Hiebl, DI
Managing Director

Rainer Roll, Mag.
EVP Global Sales & Marketing, CCO

Stefan Derntl, Mag.
EVP Global Operations, COO

Management of MIC US

Gianluca Romano
Vice President Americas

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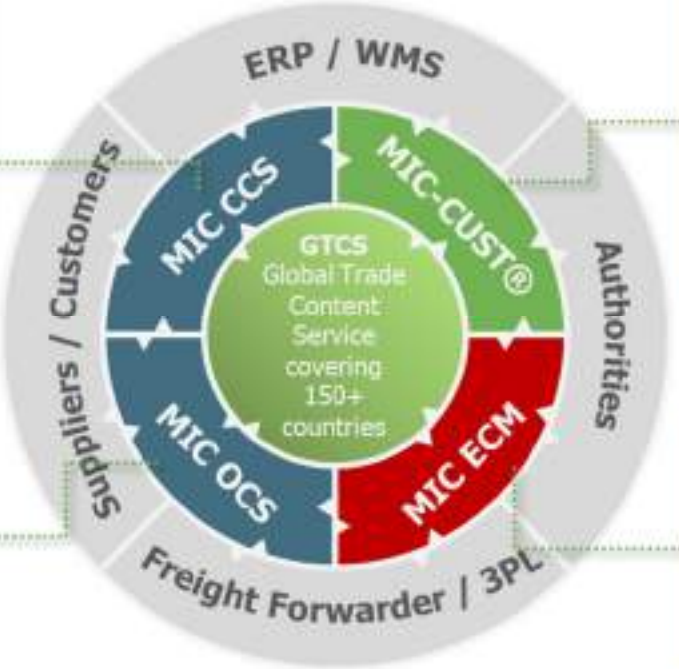
MIC GTM Solution

Central Classification System
Increased automation for assignment of customs tariff & export control classification to products based on user-validated selection and matching rules, decision trees as well as suggestion algorithms with the help of artificial intelligence and machine learning (AI/ML)
Continuously updated national customs tariffs and export control commodity lists ensure product classifications are validated against accurate national information.

Origin Calculation System
Automated preferential and non-preferential origin calculation for over 100 free trade agreements in productive usage. Management of supplier solicitation process as well as electronic exchange with suppliers via web portal.



Customs Filing
Automated electronic export and import customs clearance processes including special customs regimes and inventory management, directly interfacing with the appropriate national governmental system:

AES, AIS, NCTS, IPR, OPR, BWH, PCC, Drawback, FZ, FTZ, Intrastat, SASP, EMCS, etc.

"We Do The Last Mile"

Export Control Management
Central check of business transactions as required by export law, including screening against sanction lists, embargo checks, end user/end use check resp. dual-use reviews, identification of licensing requirements and license management.

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Country Coverage

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MIC – Development eGlobalization

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MIC Development - timeline

- **2016-2018: MIC provides feedback/suggestions on PLDA design (based on similar solution for Germany)**
- **2019: Review of MIG/XSDs + starting tests via SOAP-UI**
- **First half of 2020: implementing basic functionality in MIC**
- **April 2020: decision for pilot project with Scania**
- **July/August 2020: release tests by MIC**
- **Sep 2020 – up to now:**
  - System integration test (done by MIC) and User acceptance tests (Scania supported by MIC)
  - Continuing development based on changes in PLDA specs and feedback from Scania project
- **Jan 2021 – test phase with Scania has been completed successfully**

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MIC Development - approach and challenges

- **After short, intensive phase of analyzing interfaces by performing tests against the SIM and ACC environment on PLDA side, the development has been done in an agile way:**
  - Initial mapping of messages based on transactional PLDA declaration
  - General process in MIC based on existing solutions for Germany, Hungary and Slovakia
  - Refinement/correction done based on tests and regular reviews ("discovery sessions")
  - Already in April 2020 first results could have been presented to Scania
- **Adaptions of messages based on adapted XSDs in July/Sep 2020**
  - Number of changes was moderate
  - No rework of general logic was necessary
- **Improvements based on feedback from Scania**
  - In particular, the functionality concerning tracking and following up on errors were improved considering feedback from Scania during the test phase
  - Some features specifically required for the Scania process were added as well
- **Test results by MIC and Scania resulted in improvements on PLDA side**
  - In particular, the error handling was streamlined.

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MIC – Pilot project with Scania

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Pilot project with Scania - situation at the start

- Original plan by MIC was to introduce eGlobaliziaton first with one of the existing MIC customers using the old way of globalization.
- So far Scania uses transactional import declarations (CPC 7100 and 4071, declaration type Z).
- Customs authorities asked Scania to use globalization for 4071 declarations.
- After clarification of approach in a few (remote) meetings with Scania, local customs authorities and ICT, we have agreed to do a pilot implementation together with Scania.
- Based on the commercial transaction in the Scania's upstream system, the BWH stocks are discharged and the MIC shipment is created and validated without user intervention. Currently also the transactional declaration is created automatically.
- Volume in the past: 20.000 – 30.000 items per month

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Pilot project with Scania – Deployment/Testing approach

- Upgrade of MIC version to first major release including eGlobalisation (July 2020)
- Production (master) data has been migrated to QA environment in order to support a test under same conditions as on production
- Full system integration, stress tests and functional test done by MIC before start of User Acceptance tests by Scania
- Weekly meetings to discuss status of UAT and next steps
- Tracking and monitoring of open issues by MIC PM
- Customs (Bart Cieters and/or customs officers responsible for Scania) attends weekly meetings if necessary
- Additional extensions/bugfixes were provided as service-releases (once or twice per month)
- Test sign-off after performing a test with a significant volume of transaction data.

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Pilot project with Scania – System integration tests

	A	B	C	D	F	G	H	I	J
7	Subject	Test ID	Test Description	Test Steps	Expected Result	Pass / Fail / Incomplete	Pass Date	Actual Result	Test Data
13									
14	Filtration with eGlobalisation	Filtr-002	Check Stock Removal and Inland Notification	1. Check if data was loaded successfully in Stock removals 2. Check if Inland Notifications were created and closed automatically	Closed Inland Notifications	PASS	02.09.2020	Automatic Flow successful	Stock removal reference: e.g. 2020-09-02/9599643/9599643/2/29580158 Inland Notification: 161209 and 161208
15	Filtration with eGlobalisation	Filtr-003	Create Global Declaration	1. Create and Send Initial Global Declaration for given period 2. Adjust any potential data issues in XML, Inland Notification or Stock Removal 3. Send Subsequent Declaration 4. Adjust any potential data issues in XML, Inland Notification or Stock Removal and Resend 6. Check if Subsequent Declaration successful	Accepted Initial and Subsequent Declarations	PASS	02.09.2020	Successful Creation of Declarations Acceptance of Initial and Subsequent Declarations	09/2020 Glob.Decl: 5560840976009000000247
16	Mass tests	Mass-001	Prepare Data	1. Copy data file from PROD 2. Adjust data in file and copy file multiple times 3. Move files to TEST	Data prepared	PASS	02.09.2020	Data prepared	loaded 105 xml's with each 72 invoice lines: SPCO_333597544_20200902T011819023_edited.xml
17	Mass tests	Mass-002	Check Stock Removal and Inland Notification	1. Check if data was loaded successfully in Stock removals 2. Check if Inland Notifications were created and closed	Created Stock Removal(s) Created and Closed Inland Notification(s)	PASS	02.09.2020	114 Stock Removals Created 2 Inland Notifications Created	Inland Notifications: 161211 and 161210
18	Mass tests	Mass-003	Create Global Declaration	1. Create Global Declaration for given period 2. Send Subsequent Declaration	Accepted Subsequent Declarations	PASS	02.09.2020	Subsequent Declaration Accepted	Glob.Decl: 556084097600900000248
19	Configuration tests	CONF-001	Automatic Sending of Inland Notification	1. Copy file from PROD to TEST for September and August 2. Check if stock removal and inland notifications were created 3. Check if Inland Notification was sent automatically	Stock Removals and Inland Notifications (IN) created, IN sent.	PASS	02.09.2020	Stock Removals and Inland Notifications were created and sent. Not marked for Globalisation, Payment Type empty.	e.g. Stock removal: 2020-08-31/9599147/9599147/247/29578320, Part: 2002705 IN: 161190
20	Configuration tests	CONF-002	Automatic Creation of Inland Notification, but no Sending	1. Copy file from PROD to TEST for September and August 2. Check if stock removal and inland notifications were created 3. Check that Inland Notification was not sent automatically	Stock Removals and Inland Notifications (IN) created, IN not sent. IN marked for globalisation, pay type filled with 'A'.	PASS	02.09.2020	Stock Removals and Inland Notifications were created. IN not sent. Marked for Globalisation, Payment Type A.	e.g. Stock removal: 2020-08-31/9599147/9599147/281/29579977, Part: 2002705 IN: 161197

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Pilot project with Scania – Challenges

- **Additional/different validation rules**
  - Although Scania has declared document codes before and MIC offers a document code assignment logic, some differences in validation were discovered during testing
  - There were some questions about the meaning and the exact reason of the PLDA errors returned upon sending the subsequent and the final globalization declaration

- **Change from transactional to globalization process**
  - Different way of working for Scania, we had to agree on the exact new procedure. Some specific logic linked to the release of transactional declaration had to be reverted/adapted
  - Only during testing we learned that specific declarations (Antidumping + stock corrections ("Eindafrekening") must not be included in the globalization declarations
  - Some uncertainty about data requirements (e.g. for previous documents linked to stocks)

- **Error tracking – missing pointers to items causing the error**
  - This has been solved recently by PLDA for most error situations
  - On MIC side add. features to query on possibly affected items have been provided

- **Infrastructure issues requiring retesting and delaying progress**
  - There were some technical issues at MIC during testing forcing us to restart testing of a whole period several times

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Pilot project with Scania – Current status

- **Tests have been completed successfully**
  - Based on production data the globalization declarations for three months were created and finalized
  - Configuration has been completed and "configuration packages" for move to production are available.

- **Go-Live was planned for February 13th**
  - Due to delays in revalidating the licenses required for globalisation, the go-live was postponed
  - The latest version of the software is already installed on production, however the necessary configuration for eGlobalization has not been activated so far.

- **Automatization still to be tested and fine-tuned**
  - Automatic creation and sending of subsequent and correction message will be activated after first month of operations

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MIC – eGlobalization solution

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MIC solution - overview

- The same data objects ("shipment data") are used for both transactional and globlisation declarations – distinction via flag.
- The globalization declarations are created by the system after specifying the date range for the source import shipments
- Tracking of messages and errors can be done both on shipment/item as well as on "globalization declaration" level.
- Navigation between subsequent messages and included items + navigation between error messages and affected items
- Correction and Cancellations are supported
- Creation of subsequent/correction declarations can be done via background jobs
- VAT/Duty payments tracking reports

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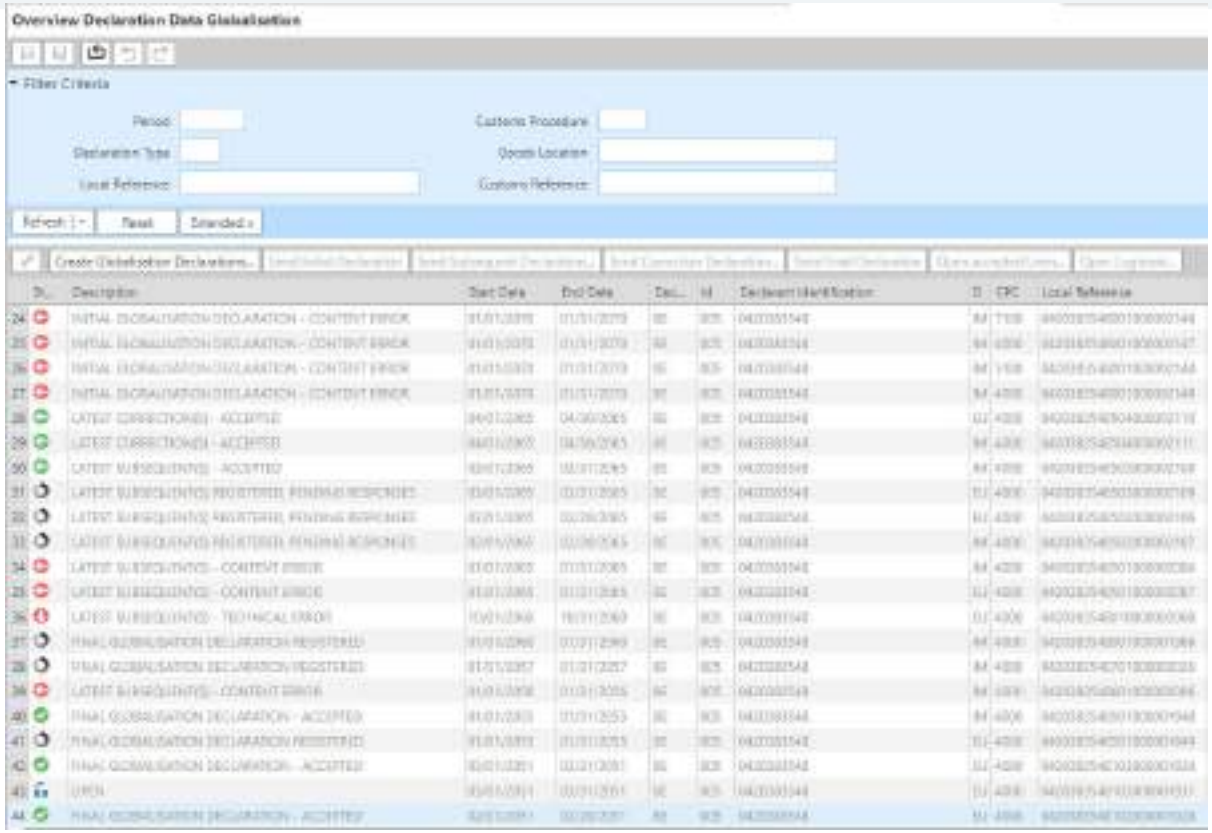
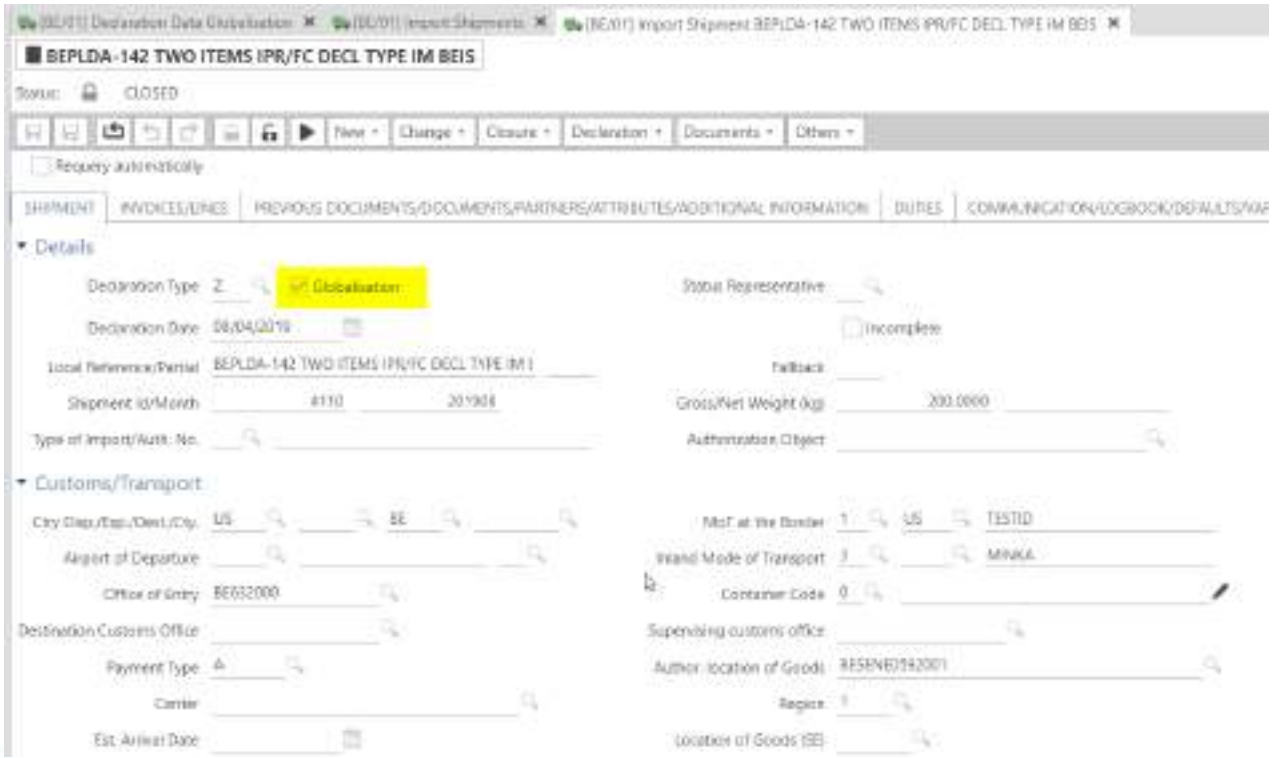
MIC solution – Example of “eGlobalisation” screen



MIC solution – shipment data is used as data source as for both globalization as well as transactional declarations:



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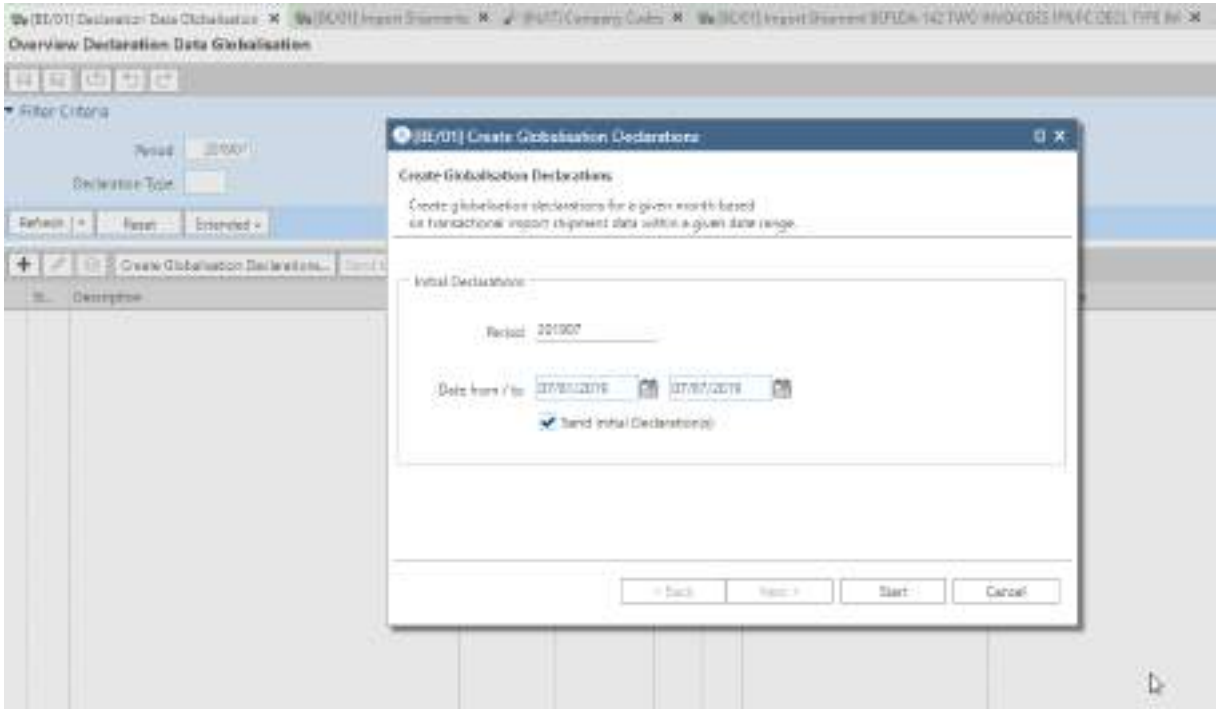
MIC solution – How to create globalization declarations out of source (shipment) data



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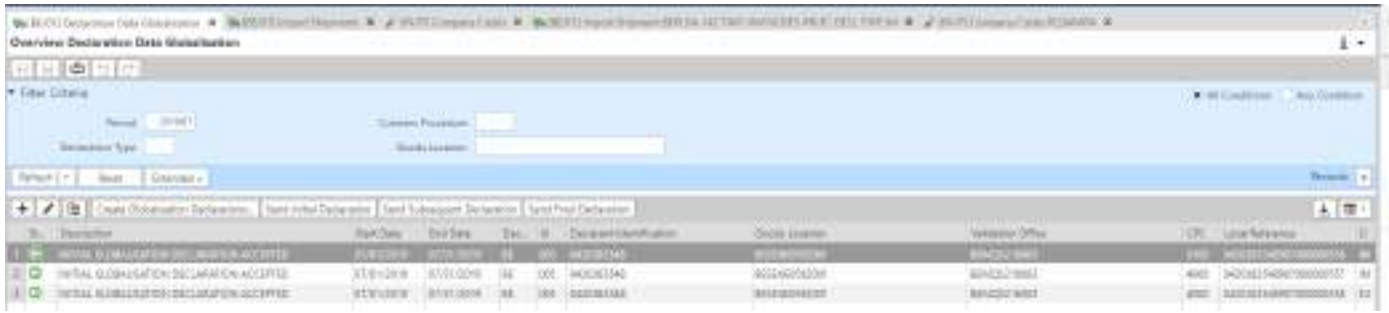
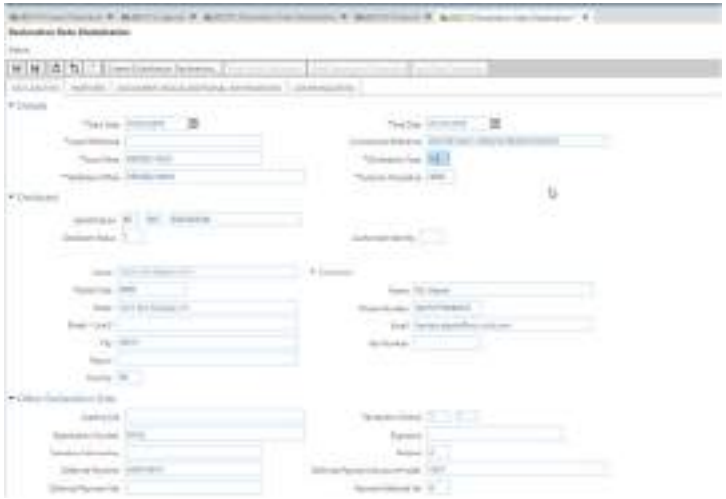
MIC solution – Screen for globalization declarations





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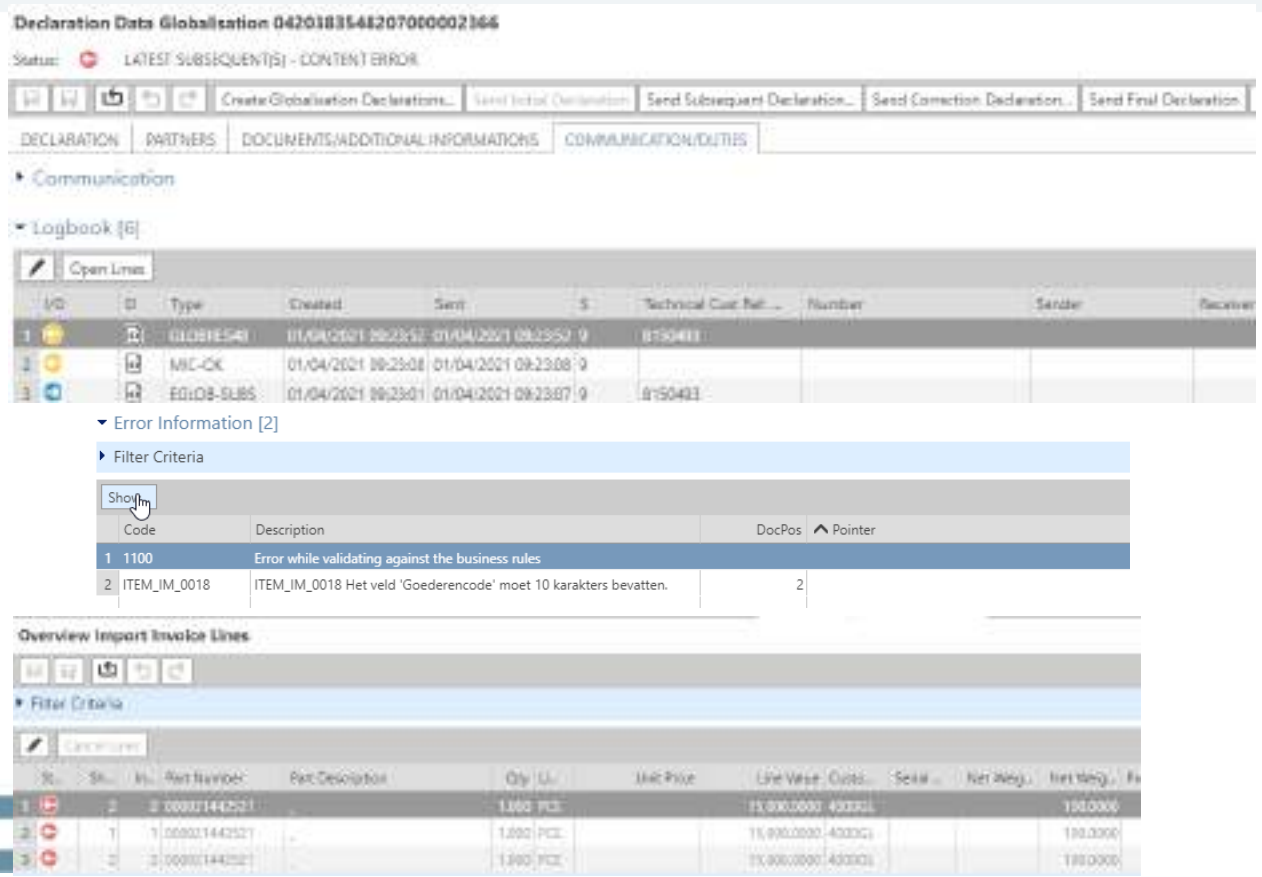
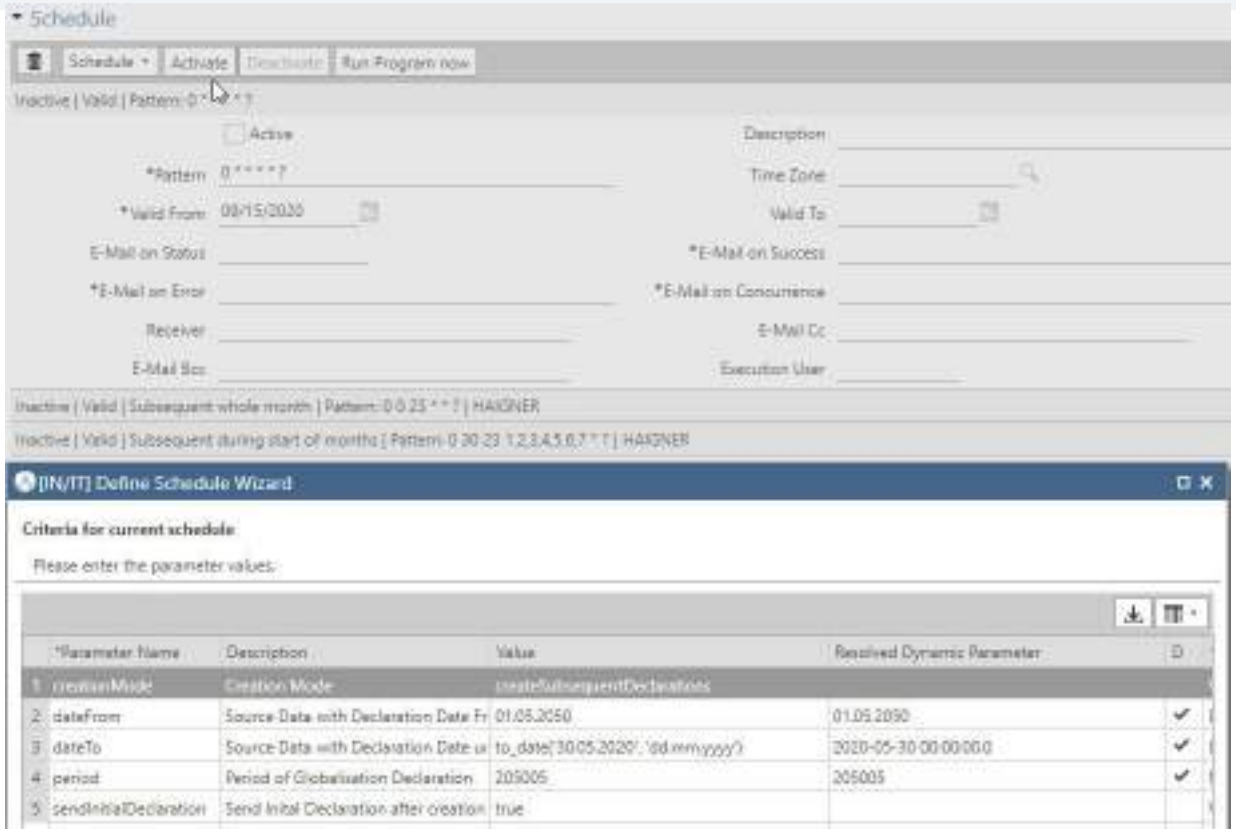
MIC solution – Message and error tracking



MIC solution – Scheduling of background jobs



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Questions & Answers

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QUESTIONS

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QUESTIONS

Comment aborder l'antidumping et l'e-globalisation ?

L'inclusion de l'antidumping dans l'e-globalisation sera réévaluée par l'AGD&A. Nous examinons également si certaines conditions doivent être remplies. Une réunion interne est prévue pour mi-mars. De plus amples informations suivront via le Forum National.

Est-ce que je dois adapter mes autorisations pour passer de la globalisation à l'e-globalisation ?

Non, vous n'avez pas à modifier vos autorisations actuelles pour passer à l'e-globalisation.

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FINANCES

QUESTIONS

Quand les fournisseurs de logiciels non-pilotes peuvent-ils poursuivre le développement ?

Les non-pilotes peuvent déjà commencer le développement et les tests.

Devons-nous envoyer des déclarations hebdomadaires maintenant ?

Vous pouvez soumettre des déclarations mensuelles ou hebdomadaires. Pour la globalisation mensuelle et hebdomadaire, il est recommandé d'envoyer régulièrement des messages intermédiaires et de ne pas attendre la fin de la période. Ceci afin d'éviter les problèmes de performance

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FINANCES

QUESTIONS

Le calcul des droits d'importation dus est effectué par PLDA:

Le message de réponse confirme-t-il les droits à l'importation calculés jusqu'au niveau de la ligne ?

Oui.

À quel moment les droits d'importation sont-ils crédités sur le compte courant ? Cela ne se fait-il qu'APRÈS le message "final" ?

Lors de la soumission du message final, le montant doit être disponible sur le compte CFCT. La déclaration ne sera pas libérée s'il n'y a pas assez d'argent sur le compte CFCT. Vous recevrez un message d'erreur. Vous pouvez envoyer un deuxième message final une fois qu'il y a suffisamment d'argent sur le compte CFCT. Il est donc préférable d'attendre avant l'envoi du message final qu'il y ait suffisamment d'argent sur ce compte. Tout doit être fait avant le 10e jour calendrier du mois suivant le mois des activités.

Service Public
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FINANCES

QUESTIONS

Les taux de change sont-ils pris en compte ?

Oui, le système prend en compte les taux de change.

Y a-t-il une possibilité d'envoyer des données douanières via SAP + interface OU sans SAP + interface : avantages + inconvénients des deux alternatives ?

Cela est possible mais doit être discuté avec l'intégrateur ou votre fournisseur de logiciel.