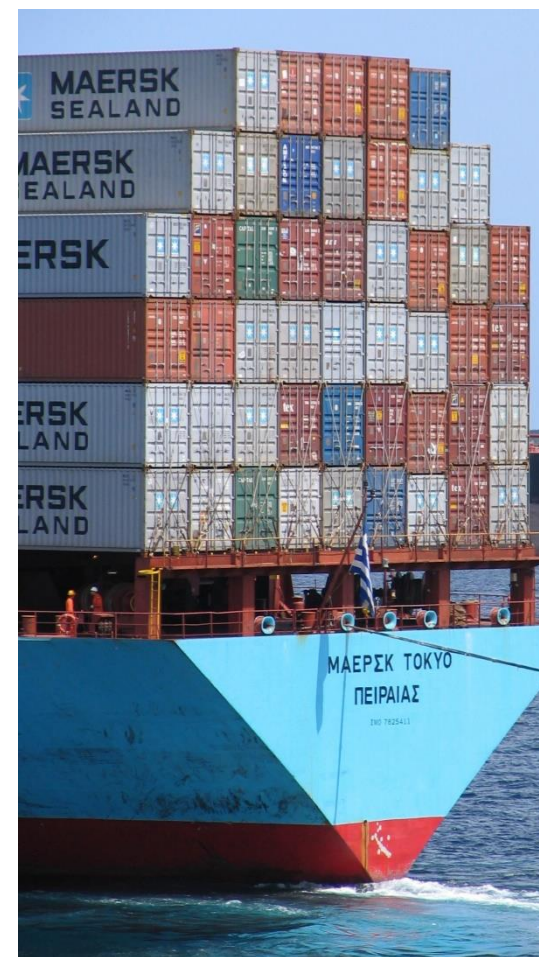# Data collection and validation

ITSS study visit from Geostat

June 28, 2019

Agenda

- Guidelines
- Organisation
- The reporting solution
- Communication
- Standard data validation
- Data validation solution
- MNE data validation

Agenda

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Guidelines

Quality

Burden

Efficiency

Data security

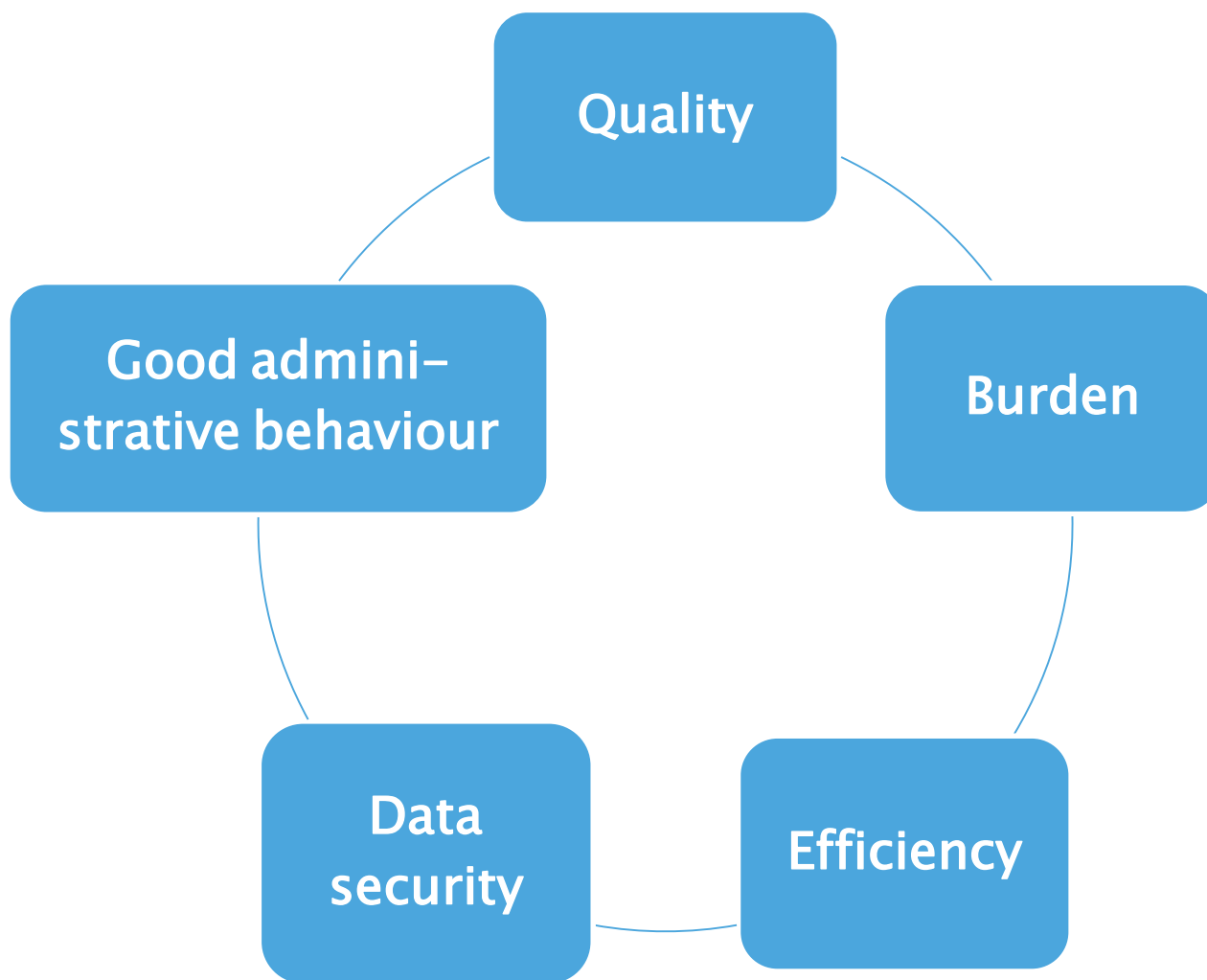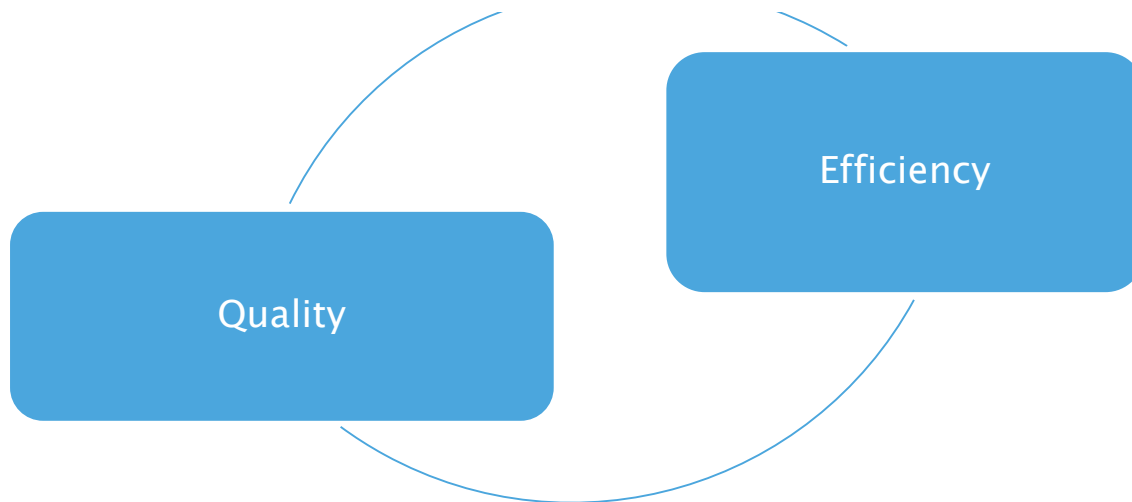Good admini–strative behaviour

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What we do...

We centralise…

Quality

Efficiency

STATISTICS DENMARK

Division of work

External Economy

- Defines variables to be collected
- Provides the population for ITSS survey
- Provides statistical guides
- Offers statistical support
- Case management

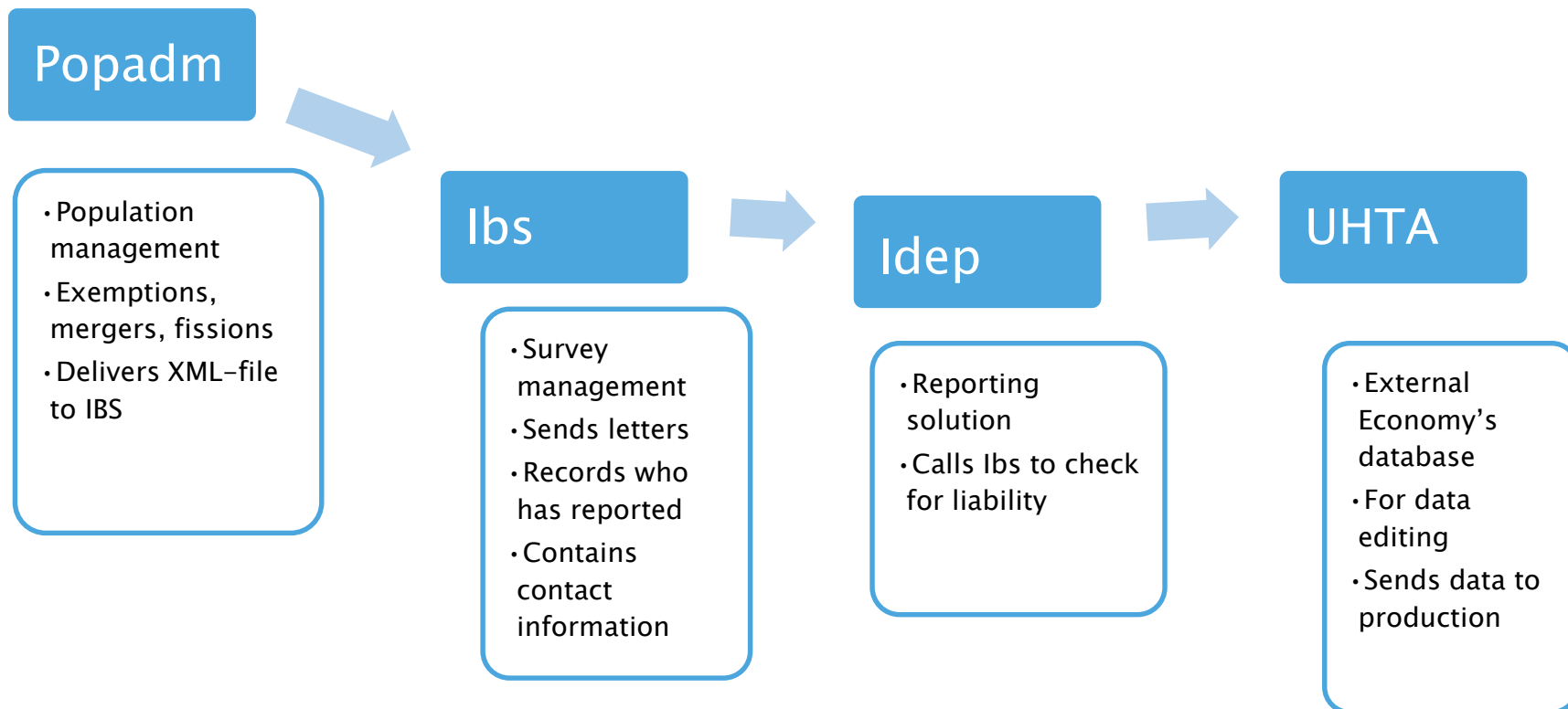## Business data collection and registers

- Responsible for the reporting solutions
- Provides technical support
- Informs PSIs about their duty to report
- Sends reminders when it is time to report
- Sends reminders when report is missing
- Reports PSIs to the police
- Delivers data to External economy

ITSS data collection proces for May

9-May	Upload population
13-May	Send "pre-information"
3-Jun	Send request to report
13-Jun	Send sms reminder
14-Jun	Deadline
17-Jun	1. reminder
28-Jun	Police reports
28-Jun	2. reminder
9-Jul	3. reminder

IT setup

Popadm

- Population management
- Exemptions, mergers, fissions
- Delivers XML-file to IBS

Ibs

- Survey management
- Sends letters
- Records who has reported
- Contains contact information

Idep

- Reporting solution
- Calls Ibs to check for liability

UHTA

- External Economy's database
- For data editing
- Sends data to production

What we do...

We build in–house standard systems...

Quality

Efficiency

STATISTICS DENMARK
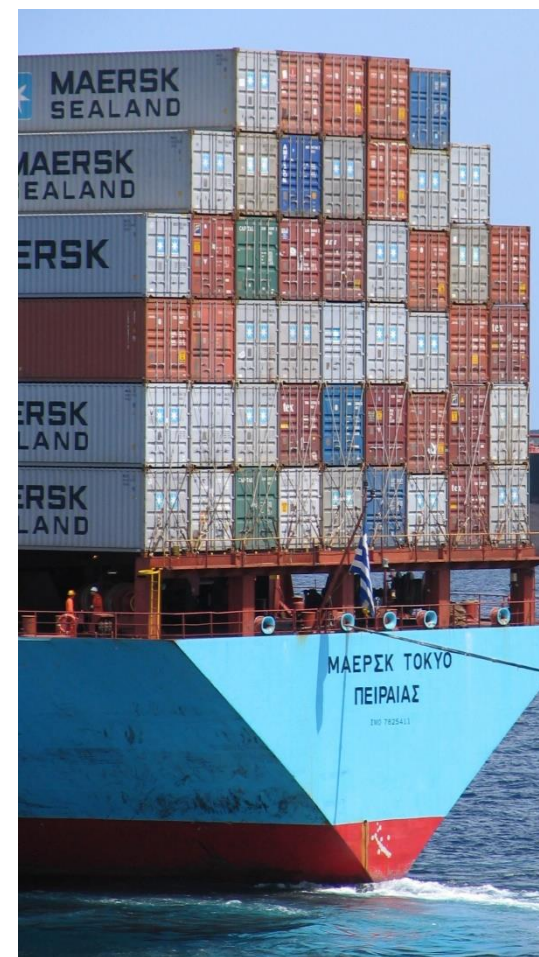
Data collection results

Response rate – uht–m
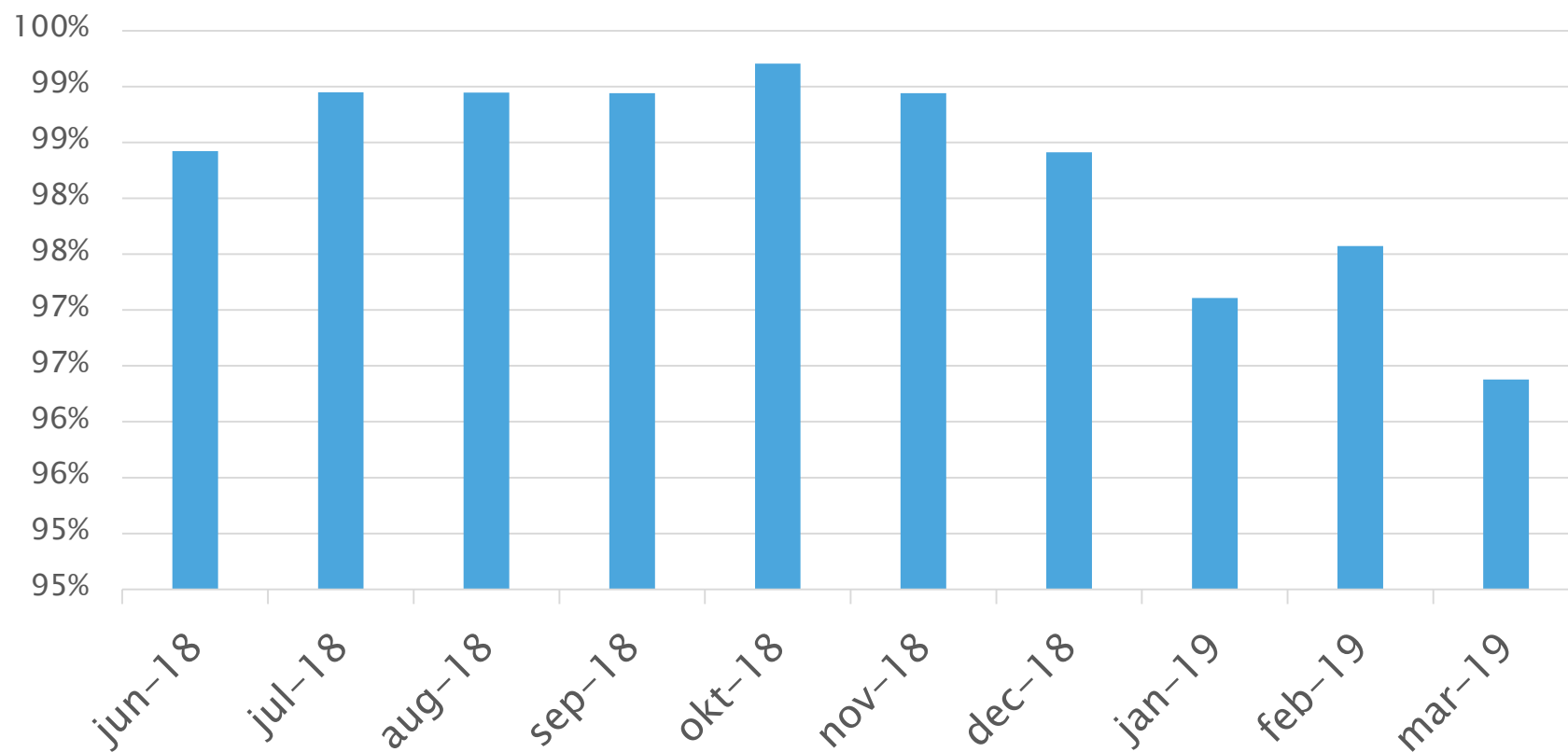
Agenda

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What is IDEP.web?

- Online reporting solution marketed by Revolux
- Supports data entry and file upload
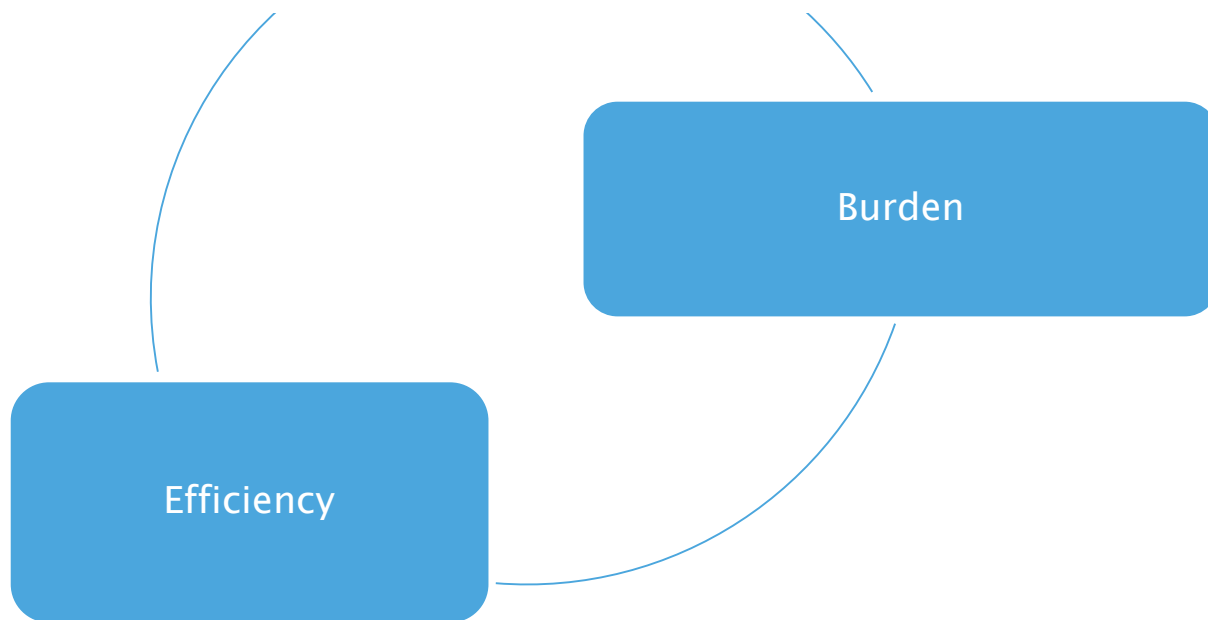- Developed for Intrastat
- In use in DK, SE, LU and NL
- Used in DK for ITSS

Idep demonstration

- https://srvidepwebtst1.dst.dk/IdepWeb/Backdoor/Default.aspx

What we do...

We automatise…

Burden

Efficiency

STATISTICS
DENMARK

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Communication channels

- Electronic letters/e-mails
- SMS
- Web pages
- Written guides
- Audiovisual guides
- Telephone support

Letters and e-mails

- "Pre-information"
  - To new reporters
  - Sent before the start of the first statistical period
- Request to report
  - To all reporters
  - Sent a few days after the end of each statistical period
- Reminders
  - To non-reporters
- Farewell letter
  - To reporters leaving the sample

DECHRA VETERINARY PRODUCTS A/S
Mekuvej 9
Dortheasminde
7171 Uldum
Att.: Brian Mogensen

Nu er det tid til at indberette til Udenrigshandel me...
måned 2019
Fristen for jeres indberetning er **14. juni 201...**

Sådan indberetter I:
1. Start indberetning på www.dst.dk...
2. Log på IDEP.web med NemID med... data eller upload fil og indsend.
3. Gem kvittering og eventuelt kopi af...

Undersøgelsen   Formålet med statistikken er at belyse den dan... tjenesteydelser (import og eksport af tjenester... ydelsens art og det land/område, der handles ... vigtig for at sikre et dækkende billede.

Jeres indberetning er vigtig for at sikre god sta... che, også selvom I ikke har haft aktivitet i ind... undersøgelsen er lovpligtig, og alle oplysning... vendes udelukkende til statistiske formål.

Hjælp   Hvis I har spørgsmål til indberetningen, er I v... www.dst.dk/sos

Med venlig hilsen

Danmarks Statistik
Erhvervsindberetning og -registre

Dedicated information page

Quick guide

Quick Guide to International Trade in Services – monthly

STATISTICS DENMARK

January 2019

Submission of data to International trade in services

This quick guide is a brief introduction to International trade in services. More information is available in the *Guide to Submission of Data and Service codes*, which you find here:
www.dst.dk/uhtaar-en

Important information

- The data submitted covers **the purchases and sales of services of Danish enterprises** with foreign counterparts as well as purchases and sales of specific goods, which do not cross the Danish border.

- The data must be **submitted in Danish kroner** (DKK).

- **Service codes 2019**
  There have been no changes to the service codes since 2018. You find the service codes here:
  www.dst.dk/tjenester

Deadlines 2019

Period	Deadline
January.................	14 February 2019
February	14 March 2019
March...................	12 April 2019
April.....................	14 May 2019
May......................	14 June 2019
June	12 July 2019
July	14 August 2019
August..................	13 September 2019
September.............	15 October 2019
October	14 November 2019
November	13 December 2019
December.............	14 January 2020

IDEP.web

IDEP.web can be used to report to International Trade in Services as well as to Intrastat.

Quick-guide to IDEP.web

You can download a Quick guide to IDEP.web which gives a short introduction to the program from:
www.dst.dk/uhtidep-en

Enter or import data in IDEP.web

You can choose to enter data manually in the form or import an Excel line or Multi Excel file.

Download guides and file examples at:
www.dst.dk/uhtidep-en

No Danish CVR number

If your company does not have a Danish CVR number, please contact us at idep@dst.dk with the subject "no Danish CVR number". Then we will contact you with an alternative reporting solution.

Digital employee signature

Digital reporting requires that you have a digital employee signature. If your company does not already have a digital employee signature you can apply for it at www.danid.dk – it takes approximately one week from placement of order until you receive the NemID digital signature.

Contact support:

Business data collection
www.dst.dk/help

IDEP.web
☎ +45 39 17 31 80 or
✉ idep@dst.dk

Full guide

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STATISTICS
DENMARK

Descriptions of service codes

204. COMMUNICATION SERVICES

204.3   *Telecommunications services*

Telecommunications services include the transmission of sound, images and other information by telephone, cable, radio, satellite, e-mail, etc. The code further includes business network services, teleconferencing and support services. Mobile telephone services, internet backbone services and internet access services are also included. The value of the transmitted services must be reported under *Audio-visual and related services*, 215.11.

Income   Income is measured as sales of telecommunications services carried out for the account of a non-resident customer.

Expenditure   Expenditure is measured as purchases of telecommunications services from a non-resident counterparty.

STATISTICS DENMARK

What we do…

We communicate in various formats…

Quality

Burden

STATISTICS DENMARK

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Types of checks

- Against previous reports
  - If we have enough previous reports, i.e. 6 within past 24 months for monthly reporters
- Against the screening survey
- Against VAT data

STATISTICS
DENMARK

Types of errors

- Probable error
  - Outlier from check against previous reports
  - With a strong impact on publicated data
  - On code-flow level or total flow level, but not on country-code-flow level

Types of errors

- Rarely used code
  - Less than six observations on code-flow within 24 months
- Too few reports
  - Less than six reports within 24 months

What we do…

We pay special attention to new reporters
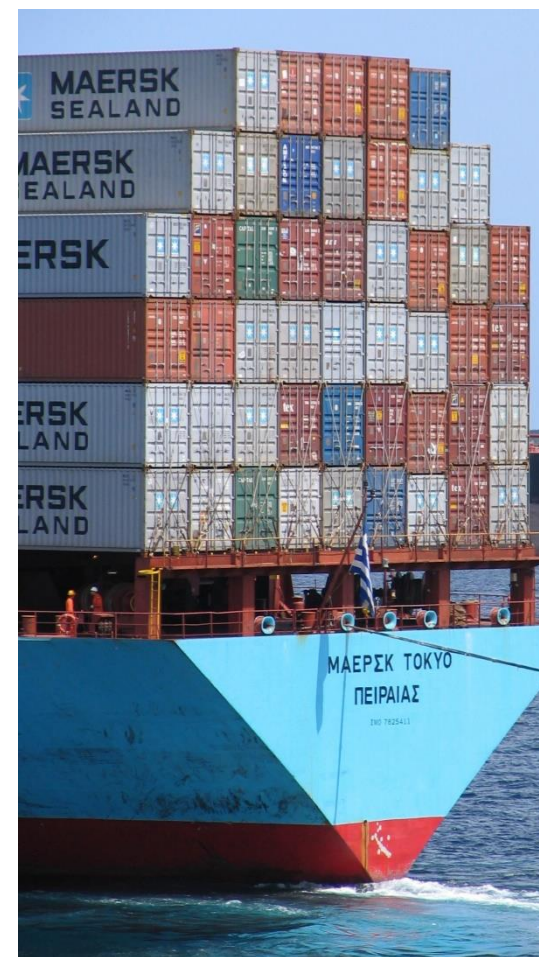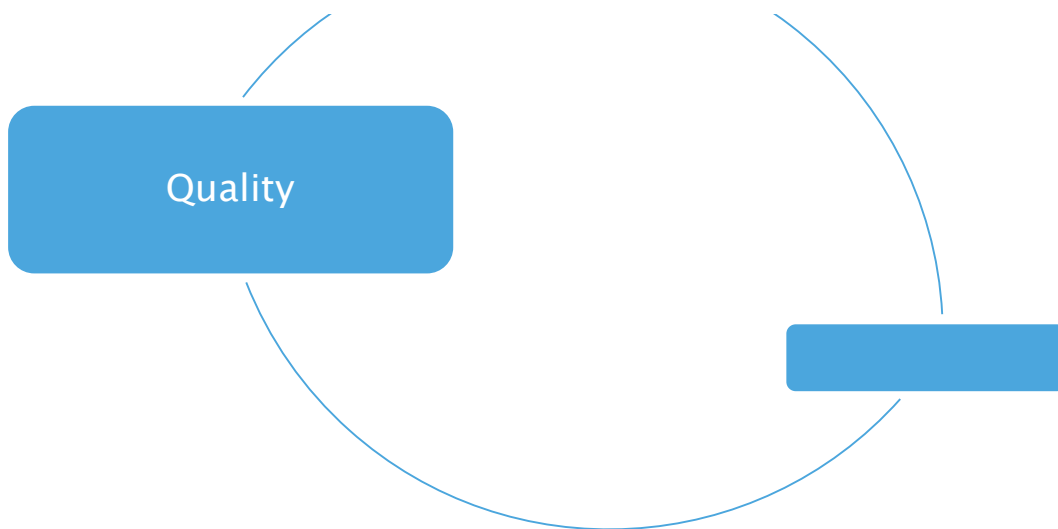
Quality

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UHTA – data validation solution

- In UHTA we can
  - See reported data
  - Manage data validation cases
  - Edit data
  - Add notes

  - [G:\K02\8_IT\Projekter\UHTA_test\UHTA.exe](G:\K02\8_IT\Projekter\UHTA_test\UHTA.exe)

Communication

- First contact via phone or mail
- Data are corrected in Idep or via phone
- Non-encrypted e-mails do not contain data

- "Please check the value of income from Austria reported on service code 201.11 in February, as the value is significantly higher than corresponing values from previous reports"

- Data may be sent in encrypted mails or files

STATISTICS
DENMARK

What we do...

We communicate about confidential data through secure channels

Data security

STATISTICS
DENMARK

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MNE data validation - background

- Large companies make large errors

- We often see inconsistencies between reports to different statistics from the same company

- Inconsistencies are often due to incorrect merchanting sales and goods sold abroad after processing … significant underreporting of goods that do not cross the border

STATISTICS DENMARK

Measures at External Economy

Changes…

- Validation process
  - Focus on large companies and large errors
  - Check across statistical domains

- Organisational structure
  - Key account approach
  - New team for companies critical to our statistics – MNE team
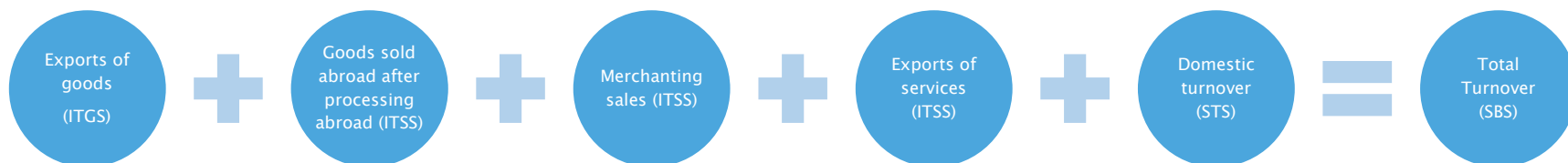
MNE team
data validation

Most important checks

- Main codes used by MNE
  - Goods, services, countries, transaction and procedure codes

- Activities abroad in ITSS

- Cross checks
  - Merchanting (ITSS and SBS)
  - Processing (ITSS and ITGS)
  - Construction (ITSS and ITGS)
  - Annual revenue check

STATISTICS
DENMARK

Annual check across statistical domains

- Are we missing something?

- Export and domestic turnover should equal total turnover more or less

Exports of goods (ITGS) **+** Goods sold abroad after processing abroad (ITSS) **+** Merchanting sales (ITSS) **+** Exports of services (ITSS) **+** Domestic turnover (STS) **=** Total Turnover (SBS)

- Check is done using LCU IT system

What we do…

We focus on big errors and big enterprises…

Quality

Efficiency

STATISTICS
DENMARK

Summing up...

- We centralise

- We build in-house standard systems

- We automatise

- We communicate in various formats

- We administrate according to the law

- We treat all enterprises equally

- We make decisions based on objective and relevant criteria

- We communicate about confidential data through secure channels

- We pay special attention to new reporters

- We focus on big errors and big enterprises

STATISTICS
DENMARK