

Annex

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Usability test of IDEP.web for Prodcom

Test report

Date: May 2016

Version: 1

Project: IMDACO

Test leader: Ashu Conrad

1. Executive Summary

Usability testing was conducted with 4 companies recruited by the IDEP support team in April 2016 in connection with the reporting period for the first quarter for the Prodcom survey.

Tests were conducted by interviewing subjects about their job function and normal method of reporting. Next, they were asked to solve a number of tasks concerning reporting to the statistic using IDEP.web. Finally, they were interviewed about their experiences.

This report outlines the results of the external tests and describes the areas where the solution works well as well as the problems that the tests have revealed.

Positive aspects about the solution:

- Participants who used economy systems commented that it was easier to upload data than to enter figures into the form.
- Drop-down menus and color-coding of fields made it easier to avoid errors.

Improvement areas for the solution:

Note: All known errors which prevented data from being imported/approved have been remedied at the time of this report.

- Information about the use of whole Danish crowns instead of 1000's (used in the Virk-form) needs to be more explicit. However, this can be seen as a beginner problem. The problem may be helped by the introduction of the range checking web service.
- An improved data format (such as Multi Excel) which would enable users to upload all values instead of having to type in the total turnover would be an advantage.
- Enabling the survey type automatically would make it easier for new users to get started.

The continuing work should focus on:

- Difficulties with the user interface can be helped by improving labels and help texts.
- Access to files (guides, spreadsheets) could be improved and guides could be simplified by better use of step-by-step diagrams.
- Possibilities for making standard upload templates for different economy systems.

2. Methodology

The test persons were recruited via an e-mail invitation that was sent out to 250 companies in the greater Copenhagen area. The geographical area was restricted to limit time and travel expenses. Out of 250 companies, 5 companies responded that they were willing to participate in the test (one company could not participate within the test period, but was willing to be contacted at a later date). The four companies who participated in

the test had between 12- 927 employees. The tests were conducted in the period April 8-13, 2016. Participants received a small gift as a thank you for their participation in the test.

2.1 Methods used

The tests were conducted using the “think aloud method”. Ashu Conrad acted as test leader, assisted by another colleague from the data collection office, who took notes during the test. The test participants were informed that the purpose of the test was to test the reporting solution and that it was not a test of them as a person. After a short introductory interview, they were asked to demonstrate how they normally prepared data for reporting and then asked to prepare and upload their report using IDEP.web. During this process, they were asked to think aloud, i.e. comment on what they were doing or mention if there was anything that puzzled or frustrated them.

The test concluded with a debriefing about their experiences and any suggestions for improvement. See **Appendix A: User test template** for a complete list of the questions used.

2.2 Test location

The tests were conducted at the offices of the respective companies and using the test participant’s own computer. The test was done on the production server and not on a test server. This meant that the test situation was as close to the normal reporting situation as possible.

2.3 Participant profiles

Company and test participant profiles were as follows (based on information from Statistics Denmark’s administration system and the introductory interviews):

Gender	Position	Age (ca.)	Previously used IDEP.web?	Economy system	Company size and NACE classification
F	Economy dept.	50	Yes, for Intrastat	SAP	54 employees Branch: 29.53.30, 28.93.00
F	Chief Accountant	30	Yes for Intrastat	Axapta	87 employees Branch: 24.11.00, 20.11.00
M	Director	55	No	External accountant	12 employees Branch: 30.02.00, 26.51.00
F	Controller- Financial Reporting & Internal Controls	30	Yes, for International trade in services	Axapta	927 employees Branch: 26.51.00

2.4 Data preparation

The three test participants from the larger companies worked specifically with economy and used data extracted from an economy system. They were all familiar with IDEP.web, which they used for reporting to other statistics (INTRASTAT, International trade in services). None of the participants had previously tried to report to Prodcop via IDEP.web.

The three participants who extracted data from the company's economy system had already created a specific Excel spreadsheet which they used in connection with reporting to Prodcop. All three had created formulas which aggregated data for the quarter and for the specific commodity codes. The aggregated amounts were rounded up to 1000 Danish crowns and the resulting figures were then copy/pasted into the Virk-form. One user simply copied the first three figures from the spreadsheet without rounding.

As the three participants had all been using this method for a longer period of time, they were not very motivated to change this procedure. However, one participant did attempt to upload unaggregated data, which had been extracted from the economy system (see notes under findings).






2.5 Test tasks

The test tasks included:




- Preparing data for upload
- Locating/logging into the reporting solution
- Choosing the period and reporting method
- Uploading data
- Correcting any errors
- Approving and sending data

3. Findings

Findings are categorized using the following categories:





-  **Good** - This approach is recommendable.
-  **Good idea** - A suggestion from a test participant, which could lead to a significant improvement of the user experience.
-  **Minor problem** - Caused participants to hesitate for a few seconds.
-  **Serious problem** - Delayed test participants in their use of the solution for 1-5 minutes, but eventually they were able to continue. Caused occasional “catastrophes”.
-  **Critical problem** - Caused frequent catastrophes. A catastrophe is a situation where the system "wins" over the participant, i.e. a situation where they cannot solve a task or which causes the test participant extreme irritation.

3.1 Communication



Rating	Finding details	Issue	Proposed solution
	The e-mail informing the users that is time to report to Prodcum is kept in the Inbox until the accounting period is concluded.	User suggested that it would be better to receive the e-mail reminder after the conclusion of the quarter.	Mail could be sent out after the end of the quarter if this doesn't affect the data collection process.
	User looks at the attached PDF letter to check the deadline. She notes the deadline in her calendar with a reminder 2 days before. Doesn't print anything “gone green”. Uses link in the in the mail to start reporting.	Some companies do not print anything – so it would be good to focus on this aspect, when making materials.	More information could be placed in the e-mail rather than in the attached file. Option to add to Outlook calendar.
	Participant did not use the link to the information page (sent by e-mail) but went directly to www.dst.dk/virk to log in. She logged into	Missing link to IDEP.web for Prodcum from this page.	Link to IDEP.web for Prodcum has been added to this page.





	the Virk-form instead of the IDEP.web solution.		
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3.2 Data preparation





Rating	Finding details	Issue	Proposed solution
	User did not notice that IDEP.web asks for values in whole Danish crowns instead of 1000 crowns. She expected that the system would give her a warning.	No clear method to check amounts are within the normal range of the company. Virk-form and IDEP.web solutions use different units. Presents a problem for first-time users of IDEP.web.	This may be remedied by the range checking web service. Make it more clear in guides and web pages that reporting must be in whole DKR. Ideally, both solutions should use the same units for the value.
	User typed in the figures for the Total turnover in 1000 crowns. Her usual Excel sheet had already rounded the figures to 1000's.	Users have adapted their files to 1000 crowns and will need to change this if they are using IDEP.	Make users aware that IDEP uses whole crowns. Clearer information can be placed in the Excel template and guides.
	Comment from user on the data format for upload.	Data export from the production system to IDEP.web would require the supplier (SAP) to deliver a new format (costs money).	Check if it is possible to make a standard import format for SAP. (Commodity codes are available in the SAP program).
	Comment from user on the data format for upload.	There will always be an extra calculation involved – otherwise we would need to get our IT department to make a specific report.	Check if it is possible to make a standard import format for Axapta.

3.3 User interface – Data import






Rating	Finding details	Issue	Proposed solution
	<p>Users clicked on "Data import" (Multi Excel) from the menu in IDEP.web, as they are used to using this format for Intrastat. (One user needed to consult the guide to find out how to choose the right format.)</p>	<p>There is no Multi Excel format for Prodcum. This could be a problem for users who are used to using this format for Intrastat. The user interface is not intuitive.</p>	<p>Develop a new Multi Excel format for Prodcum. Consider changes to user interface that would make it more obvious to users where to start making a declaration for Prodcum.</p>
	<p>User did not click on the OK button but clicked on the "Show import format". This resulted in confusion and delay and she needed to be guided (could not find relevant information in the guide). Another user did not see his file was uploaded and repeated the same procedure 3 times – had to be helped.</p>	<p>Users had problems with the user interface on the Data import screen. Problems with the fieldnames (see screen dumps 1, 2 in Appendix B).</p>	<p>Change field names, so that they make more sense to the user. Use color coding to make it clear that the file has been uploaded.</p>

Rating	Finding details	Issue	Proposed solution
	After uploading the file, the user did not understand the word “Udført” (not a native Danish speaker) – had to look in the guide to find out what to do next.	The flow from the import log was not clear for this user.	Consider changing the text or making it clear what to do next. Improve the guide with more pictures. Note: IDEP.web also has an English user interface.
	One user had an error in the upload because of negative values in the file. She was not able to approve and send the report.	The economy system allows negative values for e.g. returned goods, but IDEP.web does not accept negative values.	Allow negative values in the form and the upload files.
	Users could not find out how to activate the Prodcom survey in IDEP.web. This can be seen in the guide but it is not intuitive for users how this can be done in IDEP	New users would normally be presented with the PSI information page, where the survey can be activated. However, if another user from the same company has recently updated details IDEP.web (e.g. for Intrastat), this screen is not automatically shown.(See Appendix B – screen dump 6).	Change settings in IDEP.web so that this screen is always shown for Prodcom users. (A temporary solution has been implemented to force all Prodcom users to check this screen when they log in to IDEP.web).
	User clicks on the “help” button but there is a lot of text and she gives up.	IDEP’s online help is contains a lot of text (basically a copy of the manual). This is not what users find helpful.	Simplify online help so that it contains diagrams and only short texts.







Rating	Finding details	Issue	Proposed solution
	After uploading the file, the user does not want to click on “ Approve ” without seeing the contents of the upload.	In earlier tests, users complained that it was an unnecessary step to have to open the file in order to approve it, so the addition of the Approve button on the upload page was made. It is also possible to click on the Info button to see the contents of the file.	No change to be made. Possibly a help text explaining this function or an addition to the guide.
	Users felt that it was irritating to have to type in the Turnover figures manually after uploading the other figures in a file. (See screen dump 3 in Appendix B).	The turnover figures use calculations based on the uploaded figures. The user interface design was based on the existing form where these figures are entered separately.	One solution could be to include this as part of the upload file, but this is not an easy solution. Future changes are planned which may enable this data to be included in an upload file.
	The Approval screen does not show the Total for turnover, only the invoice value. (See screen dump 4 in Appendix B).	Users did not want to approve the report without seeing this figure.	Add field with Total turnover amount to the Approval screen. (Fixed in new version).
	(Replacement declaration) The user could not continue to the next line and was not sure how to proceed.	Save and next button has no effect when the user has reached the last entry.	Add an alert. <i>“This is the last line. Do you want to start again from the beginning?”</i>

Rating	Finding detail	Issue	Proposed solution
	(Replacement declaration) The earlier figures in the Total for turnover were deleted. This irritated the user, who had no changes to be made on this page.	Irritating to type the same figures in again if there is no change in them.	The earlier figures could be copied into the replacement declaration and shown before the declaration can be approved.
	User had difficulty finding out how to correct/add a line – does not notice that the line number is a link. Opens the line via a menu command.	Problems with opening a line to correct it. Confusion about how to use the menu system.	The user interface is a combination of links and menus. It can be difficult to understand. Experienced users are accustomed to the menu system. No action required.
	Clicks on “Save and next” several times – nothing happens. Finally clicks on Save and stop, then Approve.	Problems with understanding the buttons.	Buttons need to be more intuitive (there is a help text).
	User wants to approve a line where the “Units” field is blank. This is not allowed. She is able to do this in the Virk-form.	It should be possible for the user to leave the “Units” field empty and still approve the report.	“Units” should be optional but produce a warning message, if not filled in. Users can choose to approve anyway. (Fixed in new version).

3.4 Language, guides and help texts

Rating	Finding detail	Issue	Proposed solution
	Users had problems opening the link to the guide from the Excel file.	The link to the guide in the Excel file did not open as expected – this could be a browser problem.	Check if there is a way to format the link, so that it opens directly in the browser window.
	Users looked at the diagrams in the guide to find the next step, but the relevant diagram was missing.	Too much text in the guide – users look at the diagrams in order to quickly orient themselves in relation to the screen.	Change guides so that there are step-by-step diagrams and a minimum of text.
	User could not find the commodity codes for his product via the search function.	It can be difficult to find commodity codes for specialized products. Often the specific words are not contained in the CN8 codes.	Create synonyms for commodity codes based on input from users. (Part of the IMDACO project).
	User is confused by the button “Multi-DATA import”. Comments that this is the name of a payroll system.	In Denmark there is a payroll system called Multi-Data. Although this name has another meaning else in IDEP, it may still confuse some users.	Consider possibility of changing this name in the Danish language part of the program.
	User doesn't want to click on the button “Save and continue”. Comments that he is not “saving” anything.	The text “Save and continue” could confuse some users.	Change name of button to “Continue”.

3.5 Debriefing

Rating	Finding details	Issue	Proposed solution
	User commented that the design of the user interface was not “user-friendly”. There were too many choices and many of them were not necessary for the tasks she does.	IDEP has a complex user interface which can be confusing for new users.	One possibility could be to make an alternative (simpler) user interface for users who only need the basic functions. This may be considered in coming versions of IDEP.web.
	User would not have found the Excel template for the data import if we had not sent it to her in advance.	The Excel data import file format is not available on the Virk.dk start page for IDEP.web.	Make a specific start page for IDEP for Prodcum and include a link to Excel file from this page.
	User felt that the information page on the website was not easily accessible.	Alias link to the information page should be available in the e-mail.	Change mail template in so that the alias link is inserted into the mail instead of a general link.
	One user said that he would continue to use the Virk-form as the company had only a few lines to report.		
	User commented that the use of color in the fields (red for error, green for ok, etc.) was helpful. She also thought that the drop-down menus decreased the possibility of errors.		
	User would continue to use IDEP.web, even though she thought that it wasn't smart to have to type in values in		

	the “total turnover”.		
✓	User said that it was easier to use IDEP than enter data into the Virk-form.		

4. Corrections/Improvements to system

After the user tests, many of the critical errors have already been corrected in the program. A new release has been installed on the test platform and will be released to production as soon as testing is complete. The corrections include:

Comments	Changelog	Status
Some companies need to upload negative figures, e.g. for returned goods. This should be allowed in the form and the upload files.	Negative values are now allowed.	Done
Add a line under the “Invoice value” line – “Total for turnover”, so both figures can be seen in this screen before approving and sending the declaration.	Turnover displayed in approve screen.	Done
Some users may not be able to fill out the units for a commodity code with requires units. They should be allowed to send the report anyway.	Supplementary Units are optional but produce a warning message, if not filled in. Users can choose to approve anyway.	Done
Prodcum Multi Excel import	This point is under consideration. It may be very costly to make a solution which includes the “total for turnover” figures.	Pending
The headers in the summary screen need to be changed to match the field names in the form.	Prodcum lines list uses ProdcumUnits and ProdcumAmount labels in columnheaders	Done
The user did not notice that there was a failure message in the import log.	Colorise 'Failure' status of import batches red.	Done
Users who already use IDEP.web for other statistics were not shown the PSI information where they can activate the Prodcum survey	Forcing of survey (a temporary solution which will show the survey to all the eligible companies)	Done

5. Appendix A: Template for user test

5.1 Participant information
Company Name:
Registration number (CVR):
Participant:
Sex:
Age: (estimated)
5.2 Introductory questions
Position:
What is your function? Which work tasks do you have?
Are you responsible for reporting other statistics to Statistics Denmark?
Which ones? (See - List).
Are you the only one who reports or do you do it in cooperation with others in the company?
Do you use Virk.dk for other tasks?
Is it always you who reports to Prodcom?
How do you receive information that now is the time to report?
May we see? (Open attached file?)
How do you normally prepare for reporting? (Extract from the production system?)
(If the user notices about 1000 kr.: Does it matter to you whether the reporting is done in 1000 DKR or whole DKR?)
(Ask user to look at the Excel sheet.)
Have you filled out the Excel sheet??
How was it compared to how you normally prepare data?
How do you normally find a commodity code, e.g. if you have a new commodity to report?
How do you find/start the reporting solution? (Via Virk.dk or from a link on Statistics Denmark's web site?)
Any comments to the information page?
Have you used IDEP.web before? (May already have mentioned this).
Do you have any expectations about using IDEP.web for Prodcom?

5.3 IDEP.web upload

Log in to IDEP.web (show test person guide, if they need help).

(Think aloud – reminder.)

5.4 Debriefing

Concerning reporting in whole Danish crowns vs. 1000 crowns: Did you notice that in IDEP.WEB you must report in whole Danish crowns as opposed to the Virk-form where you report in 1000 DKR?

(If there were serious problems) Show the places where the problems occurred (possibly in a screen shot). If you were to give us some suggestion for improvement, what would it be?

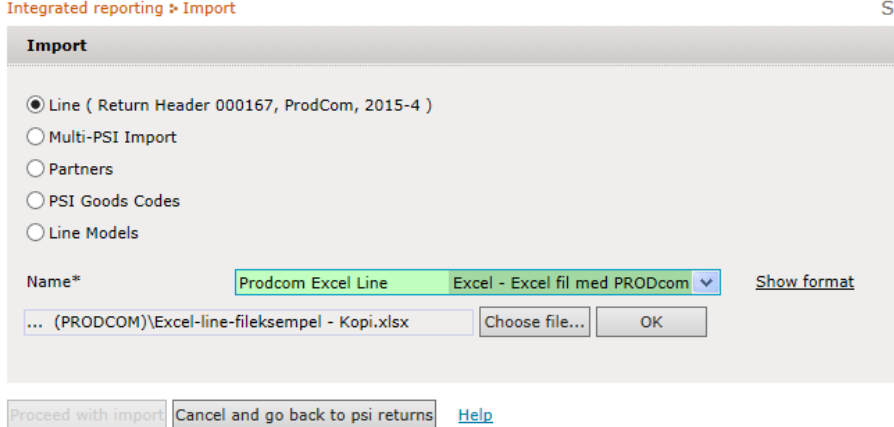
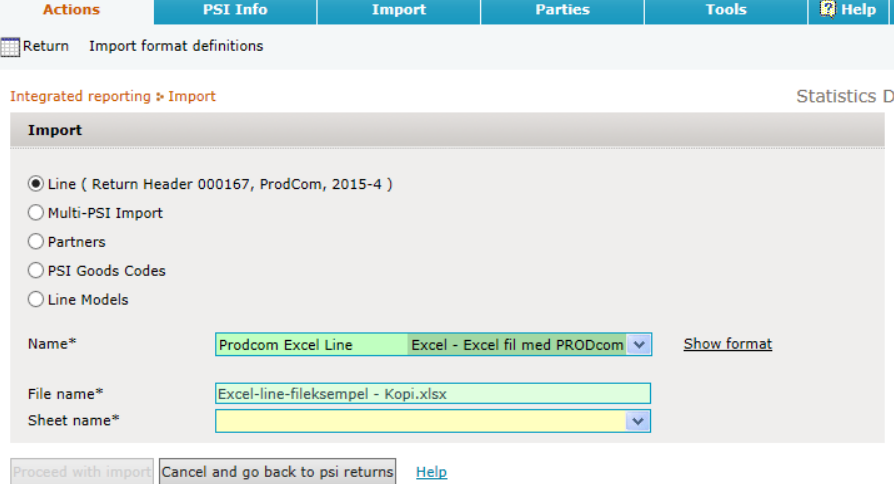

What was the best part of the experience?

What was the worst?

Will you consider using IDEP instead of the Virk-form?

Would you be willing to participate again another time?

6. Appendix B: Screen dumps of problem areas

Screen dump	Problem area
	<p>1) Import screen: Users had difficulty with uploading files and got confused by the buttons. The button “OK” should be changed to “Upload”.</p>
	<p>2) Import screen: Several users were confused by the field “Ark navn” (Sheet name). Text could be changed to “Vælg ark” (Choose sheet). The button “Fortsæt med import” (Continue with import) confuses some users, who think that this refers to <i>Intrastat</i> import. This button will be changed to just say “Continue”.</p>
	<p>3) Declaration summary screen: Users found it irritating to have to type in the “Turnover” figures manually after uploading the invoice amounts.</p>

Actions | **PSI Info** | **Import** | **Parties** | **Tools**

Return ^{CN8} ^{NC8} ^{CN8}
Ctrl F3 F8 F8

Integrated reporting > PSI Returns > Approve

Approve 000154

Provided by 17150413
Provided for 17150413
Professional unit 7003713029 - 841100

Survey type Prodcom [Prodcom declaration summary](#)
Statistical Period 2015-4
Invoice Value 13 DKK
Number Of Items 1 [Declaration lines](#)
Number Of Items Aggregated * [Aggregated Info](#)

Attention: If you send this declaration you can no longer modify it.
 If later you need to modify this declaration you can make a replacement declaration.

Do you wish to send the declaration?

« No, return to declarations list | Yes, send declaration »

4) The “Approve” screen does not show the **Total for turnover**.

virK

Actions | **PSI Info** | **Import** | **Parties** | **Tools** | **Help**

Clear F8 | Import F9 | Delete Ctrl X

Integrated reporting > PSI Returns > Return Overview > Return Line Statistics Denmark and VIES

Modify Return Line 11 / 11 - 000167

Survey type: ProdCom, Period: 2015-4, Last Upd.: 01-06-2016 15:08

PSI Goods Code: [] Units in kg* 66.000
 Goods Code* 20084090 Amount in whole DKK* 1.013.000
 Pears, prepared or preserved, not containing added spirit or added sugar

Save | Save and stop | **Save and next** | Cancel and return to lines list | Help

« First | < Previous | Next > | Last »

5) Save and next button has no effect when the user has reached the last entry.

virK

Actions | **PSI Info** | **Import** | **Parties** | **Tools** | **Help**

Return ^{CN8} ^{NC8} ^{CN8}
Ctrl F3 F8 F8

Integrated reporting > Provider Details Statistics Denmark and VIES

Modify Provider Details 17150413

PSI Name* Danmarks Statistik

Name And Address Info* Sejrogade 11 | Post Code* 2100 | Postal District* København | Country []

Contact Person* Idep | Contact E-mail Address* idep@dst.dk | Telephone Nr.* 12345678

Choose survey types
Note: The receipt for the report is automatically sent to the e-mail address attached to the digital signature of the respondent.

Enabled surveys	Contact Person	Telephone Nr.	Digital post	Contact E-mail Address
<input checked="" type="checkbox"/> International trade in services	Kaj Laustsen	39173138	<input type="checkbox"/>	kla@dst.dk
<input checked="" type="checkbox"/> ProdCom	Idep VS	[]	<input type="checkbox"/>	idep@dst.dk
<input checked="" type="checkbox"/> Intrastat Arrival	Idep Eks	[]	<input type="checkbox"/>	idep@dst.dk
<input checked="" type="checkbox"/> Intrastat Dispatch	Idep Eks	[]	<input type="checkbox"/>	idep@dst.dk
<input checked="" type="checkbox"/> VIES	[]	[]	<input type="checkbox"/>	[]

Save and return to start page | Cancel | Help

6) **Enabled surveys:** The survey should not have to be enabled manually. This should happen automatically when the company is obliged to report to the statistic.

Annex 6.2: New guide for IDEP.web – Prodcom

Denne guide beskriver, hvordan man importerer Excel line filer for Industriens salg af varer til IDEP.web. Se også Quickguide til IDEP.web på www.dst.dk/vsidep

Bemærk: Beløb skal indtastes i hele kroner.

Excel line regneark

Excel line fileksemplet kan downloades fra:

www.dst.dk/vsidep

Regnearket indeholder 2 faneblade:

1. **Ark1** – her indtaster du linjerne (Varekode, Mængde og Beløb i hele kroner).
2. **Vejledning** – link til liste over gyldige varekoder og beskrivelser

	A	B	C
1	Varekode	Mængde	Beløb i hele kroner
2	41152000	7000	688000
3	0401101000	56000	275000
4	0401201100	370000	995000
5	0401201900	29000	189000
6	0401501100	83000	897000
7	0403109300	175000	1234500
8	0404902300	450000	1510000
9	0405209000	8975	349000
10	0402219900	135000	1214000
11	2008309000	57000	775000
12	2008409000	66000	1013000
13			
14			

Importer regnearket

På www.dst.dk/vsidep finder du et direkte link til IDEP.web.

Vælg **Start IDEP.web** og log på med din NemID.

Indberetning til Industriens salg af varer via IDEP.web

Indberetning af industriens salg af varer

Har du en digital medarbejdersignatur, kan du straks benytte IDEP.web til indberetning.

[Start IDEP.web](#)

Hvis du allerede bruger IDEP.web til indberetning af Intrastat og/eller Udenrigshandel med tjenester, skal du lige sætte et hak ved Industriens salg af varer under Indstillinger i IDEP.web.

Industriens salg af varer - IDEP vejledninger

- [Quickguide til IDEP.web Industriens salg af varer](#)
- [Excel line - dataimport vejledning](#)
- [Excel line - fileksempel](#)

Opret en ny indberetning fra IDEP.web startside ved at klikke på knappen:

[+] Dan en indberetning.

The screenshot shows the IDEP.web interface. At the top, there is a navigation bar with tabs: Rediger, Funktioner, Dataimport, Indstillinger, Værktøjer, Hjælp, and a language selector (DK). Below the navigation bar, there is a header with the 'virk' logo and the text 'Danmarks Statistik og SKAT : IDEP.web'. The main content area is titled 'Velkommen' and contains a section for 'Almene opgaver' with a button labeled '[+] Dan en indberetning'. To the right, there is a 'Mine opgaver' section with a list of tasks and a 'Ryd mine opgaver' button. A yellow warning box is visible on the right side of the page, containing the text: 'Bemærk: Vidste du, at det også er muligt at bruge IDEP.web til indberetning af Industriens salg af varer? Brug dataimportfunktion og slip for at indtaste varelinjerne enkeltvis.'

1. Marker først ved **Industriens salg af varer.**

2. Vælg indberetningstypen **Dataimport fra fil.**

3. Vælg **Statistisk periode** fra drop-down listen.

4. Klik på **Fortsæt.**

Bemærk hvis din virksomhed har mere end et journalnr, skal du vælge nummeret fra drop-down listen.

Dataimport

1) **Post** viser oplysninger om indberetningen og perioden

2) Vælg **Prodcom Excel Line** i drop-down listen **Navn på importformat.**

3) Klik på **Gennemse** og find filen på computeren.

4) Filen vises i feltet.

5) Klik på **Upload.**

Upload filen

1) Vælg **Ark navn** ved hjælp af drop-down listen. (*Ark 1*, med mindre du har omdøbt fanebladet).

2) Klik på **Fortsæt.**

Nu importeres filen til IDEP.web.

Opret Hovedoplysninger

1. Vælg indberetning:

Intrastat Import
 Intrastat Eksport
 Kombineret Intrastat og EU-salg uden moms
 EU-salg uden moms
 Udenrigshandel med Tjenester
 Industriens salg af varer

Bemærk: Multi-DATA-import
Vælg denne løsning, hvis du ønsker at uploade en fil, som indeholder et eller flere CVR/SE-numre, perioder og varestømme (varestømme gælder kun intrastat):

Multi-DATA-import

2. Vælg indberetningstype:

Dataimport fra fil
 Ingen salg af egne varer
 Manuel indtastning
 Erstatningsindberetning

Bemærk:
Vælg *Ingen salg af egne varer*, hvis virksomheden ikke har haft salg af egne varer i pågældende kvartal. Du bliver bedt om at udfylde *Samlet omsætning*, inden indberetningen indsendes.

3. Vælg periode:

Journalnummer - Branchenummer*
7003713029 - 841100

Statistisk periode*
2016-2 2. kvartal 2016

Fortsæt Luk [Hjælp](#)

Dataimport

Post (Hovedoplysninger 000183, Industriens salg af varer, 2016-2)
 Multi-DATA-import
 Partnere
 Egne varekoder
 Varemodeller

Navn på importformat* **Prodcom Excel Line** Excel - Excel fil med PRODcom lin [Vis format](#)

Fortsæt [Hjælp](#)

Dataimport

Post (Hovedoplysninger 000183, Industriens salg af varer, 2016-2)
 Multi-DATA-import
 Partnere
 Egne varekoder
 Varemodeller

Navn på importformat* **Prodcom Excel Line** Excel - Excel fil med PRODcom lin [Vis format](#)

... 2016\WS (PRODCOM)\Excel-line-fileksempel.xlsx

Fortsæt [Hjælp](#)

Dataimport

Post (Hovedoplysninger 000183, Industriens salg af varer, 2016-2)
 Multi-DATA-import
 Partnere
 Egne varekoder
 Varemodeller

Navn på importformat* **Prodcom Excel Line** Excel - Excel fil med PRODcom lin [Vis format](#)

Filnavn* Excel-line-fileksempel.xlsx

Ark navn* **Ark1**

Fortsæt [Hjælp](#)

Dataimport – Udført i status

Er alt ok, vil der stå **Udført** i kolonnen Status.

1) Klik på **Godkend**.

Er data ikke korrekt vil der stå **Fejl**. Gå til **"Fejl i status"** i denne vejledning.

Id	Fil	Status	Instruktion	Dato	Næste dato
513232	Excel-line-fileksempel.xlsx (000143, Industriens salg af varer, 2015-4)	Udført	Importér linjer	06-04-2016 12:34	
513238	Excel-line-fileksempel.xlsx (000144, Industriens salg af varer, 2015-4)	Fejl	Importér linjer	06-04-2016 12:38	

Luk og vend tilbage til startside | Vend tilbage til indberetningslisten | Hjælp

Samlet omsætning

1) Udfyld de gule felter.

Ændre Samlet omsætning 000183

Statistisk periode: 2016-2

Journalnummer - Branchenummer*
7003713029 841100

Beløb i hele danske kroner

Samlet værdi: 9.139.500

Ydet rabat der ikke er faktureret på varekoder* 2.400

Opkrævet tillæg der ikke er faktureret på varekoder (fx emballage, fragt, forsikringer mv.)* 0

Salg af egne varer i alt: 9.137.100

Omsætning fra

Opstillingsarbejde (for andre)* 5.000

Reparationsarbejde (for andre)* 0

Lønarbejde (for andre)* 0

Salg af handelsvarer* 0

Anden omsætning* 0

Samlet omsætning: 9.142.100

Gem og vend tilbage til varepostlisten | Luk | Godkend | Hjælp

2) Er beløbet 0 kr. i flere (alle) felter, kan du klikke på knappen **Sæt alle tomme felter til 0**.

3) Klik på **Godkend**.

Ændre Samlet omsætning 000558

Statistisk periode: 2015-2

Journalnummer - Branchenummer*
7003713029 841100

Beløb i hele danske kroner

Samlet værdi: 9.139.500

Ydet rabat der ikke er faktureret på varekoder* 0

Opkrævet tillæg der ikke er faktureret på varekoder (fx emballage, fragt, forsikringer mv.)* 0

Salg af egne varer i alt: 9.139.500

Omsætning fra

Opstillingsarbejde (for andre)* 0

Reparationsarbejde (for andre)* 0

Lønarbejde (for andre)* 0

Salg af handelsvarer* 0

Anden omsætning* 0

Samlet omsætning: 9.139.500

Gem og vend tilbage til varepostlisten | Luk | Godkend | Hjælp

Du har lov til at indsætte 0 i alle felter. Hvis du ønsker dette, skal du klikke på knappen:
Sæt alle tomme felter til 0.

Send indberetningen

Når man trykker på **Godkend**, vises et resume af din indberetning.

Hvis alt ser fint ud, klik på **Send indberetningen**.

Startside > Indberetninger > Godkend

Godkend 000183

Oplysningsgiver 17150413
Oplysningspligtig 17150413
Journalnummer - Branchenummer 7003713029 - 841100

Statistik Industriens salg af varer **Samlet omsætning**
Statistisk periode 2016-2

Beløb i hele kroner 9.139.500 DKK
Samlet omsætning 9.142.100 DKK

Antal poster 11 [Indberetningslinjer](#)
Antal poster aggregeret * [Aggregeret info](#)

Bemærk: Hvis du sender denne indberetning, kan den ikke ændres.
Hvis du senere ønsker at rette denne indberetning, må du danne en erstatningsindberetning.

Skal indberetningen sendes?
« Nej, vend tilbage til indberetningslisten | Send indberetningen »

Kvittering

Når din indberetning er indsendt, vil du modtage en e-mail kvittering.

Startsiden > Indberetninger > Godkend

Godkend 000183

Indberetningen er blevet modtaget.

Oplysningsgiver 17150413
Oplysningspligtig 17150413
Journalnummer - Branchenummer 7003713029 - 841100

Statistik Industriens salg af varer **Samlet omsætning**
Statistisk periode 2016-2

Beløb i hele kroner 9.139.500 DKK
Samlet omsætning 9.142.100 DKK

Antal poster 11 [Indberetningslinier](#)
Antal poster aggregeret 11 [Aggregeret info](#)

Denne indberetning kan ikke længere ændres. Hvis du senere ønsker at rette denne indberetning, må du danne en erstatningsindberetning.

Denne formular kan printes ud som dokumentation.
000183-06-27-9378
Email sendt til smc@dst.dk (Ashu Conrad)

Print [Vend tilbage til indberetningslisten](#)

Vi vil bede dig om hjælp til at forbedre IDEP.web. Du skal blot besvare nogle simple spørgsmål om din indberetning. Det tager ca. 3 minutter.
[Start spørgeskema](#)

Bemærk: Danmarks Statistik har først modtaget din indberetning, når der på listen over indberetninger er ✓ i kolonnen *Indberetning godkendt*.

Du kan altid klikke på indberetningsnummeret for at se detaljer om din indberetning.

Ingen filter Indberetningstyper vist: Alle Status filter: Alle 41 Poster

Vælg	Indberetnings nr.	Indberetningstype	Type	Statistik	Statistisk periode	Samlet værdi	Antal poster	Korrekt	Indberetning godkendt	Sidst ændret
<input type="checkbox"/>	000144	Industriens salg af varer	Normal		2015-4	5.320.500	5	✓	✓	06-04-2016

< Foregående 1 2 3 4 5 Næste >

Dataimport - Fejl i status

1) Klik på ordet **Fejl** for at komme til importloggen.

551658	Multi Excel - Kopi.xls	Fejl	Importér mult	Godkend alle	27-06-2016 10:14
551671	Excel-line-f eksempel - Kopi.xlsx (000190, Industriens salg af varer, 2016-2)	Fejl	Importér linjer	Godkend Info	27-06-2016 10:26

Luk og vend tilbage til startsiden | Vend tilbage til indberetningslisten | [Hjælp](#)

2) I importloggen kan du se en oversigt over antal poster med fejl. Klik på det aktuelle indberetnings nr. for at åbne indberetningen.

Rediger Funktioner Dataimport Indstillinger Værktøjer Hjælp

Startsiden Indberetning Varekoder

Startsiden > Vis importlog Danmarks Statistik og SKAT : IDEP.web

Vis importlog (551671)

Type af importformat: Industriens salg af varer Resultat: Fejl
Dataimport: Excel-line-f eksempel - Kopi.xlsx (000190, Industriens salg af varer, 2016-2) Navn på importformat: Prodcum Excel Line
Start af import: 27-06-2016 10:26:30 Importen færdig: 27-06-2016 10:26:30

Kassér disse data Godkend alle Vis som tabel Luk Udvid

Fejl og advarsler - mindst : 1

Fejl i feltet Fejl
KN8 varekode 1

[CVR nr. : 17150413](#)

Indberetnings nr. : 000190 Statistisk periode: 2016-2 Antal poster: 11 Fejl: 1 Advarsler: 0 Første linje #: 1

Luk og vend tilbage til startsiden [Hjælp](#)

Fejlposter

- 3) Marker derefter ved ordet *Fejlposter* for at få en liste kun med fejlposter.
- 4) Klik på det første linjenummer med fejl for at åbne posten.

Ret fejlen i posten

Fejlen vises i posten – enten med en rød felt, hvis værdien er forkert eller, som i eksemplet en gul felt (varekoden mangler).

Ret fejlen og tryk på **Gem og Stop**.

Hvis der er flere fejl, tryk på **Gem og næste**.

Godkend indberetning

Når du trykker **Gem og Stop**, kommer du tilbage til posterne.

Tryk på **Godkend** for at komme videre.

NB: **Samlet omsætning** skal udfyldes inden godkendelse – se ovenpå.

Ændre Poster 000190 Fejlposter

Statistik: Industriens salg af varer, Statistisk periode: 2016-2 Skal rettes Alle poster Fejlposter

1 Poster

Linje nr.	KN8 varekode	Mængde	Beløb i hele kroner	Korrekt	Opdateret
2		135.000	1.214.000	✗	27-06-2016 10:27

Vend tilbage til indberetningslisten **Samlet omsætning** [Hiælp](#)

Startsiden > Indberetninger > Poster > Post

Ændre Post 9 / 11 - 000190

Statistik: Industriens salg af varer, Periode: 2016-2, Opdateret: 27-06-2016 10:27

Egne varekoder Beløb i hele kroner* 1.214.000

Varekode*

Gem Gem og stop Gem og næste Annuller og vend tilbage til poster [Hiælp](#)

< Første < Foregående Næste > Sidste >

Startsiden > Indberetninger > Poster > Post

Ændre Post 9 / 11 - 000190

Statistik: Industriens salg af varer, Periode: 2016-2, Opdateret: 27-06-2016 10:27

Egne varekoder Mængde* 135000

Varekode* 04052090 Beløb i hele kroner* 1.214.000

Smørbare mælkefedtprodukter, med fedtindhold på > 75 vægtprocent, men < 80 vægtprocent

Gem Gem og stop Gem og næste Annuller og vend tilbage til poster [Hiælp](#)

< Første < Foregående Næste > Sidste >

Ændre Poster 000190

Statistik: Industriens salg af varer, Statistisk periode: 2016-2

11 Poster

Vælg	Linje nr.	KN8 varekode	Mængde	Beløb i hele kroner	Korrekt	Opdateret
<input type="checkbox"/>	1	41152000	7.000	688.000	✓	27-06-2016 10:27
<input type="checkbox"/>	2	04011010	56.000	275.000	✓	27-06-2016 10:27
<input type="checkbox"/>	3	04012011	370.000	995.000	✓	27-06-2016 10:27
<input type="checkbox"/>	4	04012019	29.000	189.000	✓	27-06-2016 10:27
<input type="checkbox"/>	5	04015011	83.000	897.000	✓	27-06-2016 10:27
<input type="checkbox"/>	6	04031093	175.000	1.234.500	✓	27-06-2016 10:27
<input type="checkbox"/>	7	04049023	450.000	1.510.000	✓	27-06-2016 10:27
<input type="checkbox"/>	8	04052090	8.975	349.000	✓	27-06-2016 10:27
<input checked="" type="checkbox"/>	9	04052090	135.000	1.214.000	✓	27-06-2016 10:32
<input type="checkbox"/>	10	20083090	57.000	775.000	✓	27-06-2016 10:27

< Foregående 1 2 Næste >

Vend tilbage til indberetningslisten **Samlet omsætning** [Hiælp](#) **Godkend**

Kontakt Danmarks Statistik

Hvis du har spørgsmål i forbindelse med IDEP, er du meget velkommen til at kontakte Danmarks Statistik på: idep@dst.dk

Annex 6.3: User feedback questionnaire

1) Start questionnaire link i shown on the Approval page after the declaration has been sent.

Actions **PSI Info** **Import** **Parties** **Tools**

Integrated reporting Return ^{CN8} _{Ctrl F3} ^{CN8} _{F8}

[Integrated reporting](#) > [PSI Returns](#) > [Approve](#)

Approve 001275

The declaration has been approved successfully.

Provided by	17150413
Provided for	17150413
Professional unit	7003713029 - 841100

Survey type Prodcorn **Prodcom declaration summary**

Statistical Period 2015-3

Amount in whole DKK	50.000 DKK
Total for turnover	50.000 DKK

Number Of Items 1 [Declaration lines](#)

Number Of Items Aggregated 1 [Aggregated Info](#)

This declaration can no longer be modified.
If later you need to modify this declaration you can make a replacement declaration.

You could print out this form as proof.
001275-06-30-879Q
Email sent to idep@dst.dk (Idep)

Help us improve IDEP.web by answering a short questionnaire .
This will only take 5 minutes of your time.
Click on the link below.

[Start questionnaire](#)

Print << Return to declarations list

2) Start page - Blaise questionnaire (opens in new window).

http://srvblaiseprod3.dst.dk/Dst_Erhv_2016_6103/BIPagHan.asp?PopupBlocked=true&js=yes&sh=670&sw=758

Approve 001275 Voluntary questions on time...

DANMARKS STATISTIK

Voluntary questions on time usage and usability

Thank you for taking time to evaluate your experience with IDEP.web.

Statistics Denmark would like to improve our reporting solutions and decrease respondent burden.

Guarantee of confidentiality

Any information that you send to Statistics Denmark will be treated confidentially.

Statistics Denmark does not reveal any information that could be used to identify the individual participant and their answer.

Resume **Next**

New | 2 / 5 | Modified by rules | Dirty | Dst_Erhv_2016_6103 100%

- 3) Question on time usage – dropdown scale 5 min. – 3 hours. If “More than 3 hours” is chosen, the user is asked to enter the total hours used.

http://srvblaiseprod3.dst.dk/Dst_Erhv_2016_6103/BIPagHan.asp

IDEP Voluntary questions on time usage

Eiler Bediger Vis Favoritter Funktioner Hjælp

Indt... Tool... Syst... Da... Danm... dst DstA... Esse...

DANMARKS STATISTIK

Voluntary questions on time usage and usability

How much time did it take you to complete the questionnaire?
(Include time used to obtain the relevant information and the time used in filling out the questionnaire).

More than 3 hours

If more than 3 hours, please give the total hours used:

4

Resume Previous Next Abort

New | 3 / 5 | Modified by rules | Dirty | Dst_Erhv_2016_6103 100%

- Select
- 5 min.
 - 10 min.
 - 15 min.
 - 20 min.
 - 30 min.
 - 45 min.
 - 1 hour
 - 1 hour and 30 min.
 - 2 hours
 - 2 hours and 30 min.
 - 3 hours
 - More than 3 hours

4) Evaluation of tasks (difficult/time-consuming). Scale with 4 answers + not applicable.¹

DANMARKS STATISTIK

Voluntary questions on time usage and usability

How difficult/time-consuming would you consider the following tasks?
Choose one answer in each line

	Difficult/Time-consuming				
	Extremely	Quite	Slightly	Not at all	Not applicable
Access to IDEP.web	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Obtain the relevant information	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Understand guides and file examples	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Prepare files for uploading	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Upload files (data import)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Enter data manually	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Correct errors in data	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Get help with the declaration	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Resume Previous Next Abort

New | 4 / 5 | Modified by rules | Dirty | Dst_Erhv_2016_6103

¹ Note: The question is used in the evaluation of Danmarks Statistics on-line forms, and has been kept the same in order to be able to compare results across the two reporting solutions. The use of “Difficult/Time-consuming” been criticized for being negative but has not been changed in order to have comparable data.

5) Comments field (4000 characters).

The screenshot shows a web browser window with the URL http://srvblaiseprod3.dst.dk/Dst_Erhv_2016_6103/BiPagHan.asp. The page title is "Voluntary questions on time usage and usability" and the logo for "DANMARKS STATISTIK" is visible. Below the title, there is a text prompt: "Please describe any difficulties or suggestions for improvement:". This is followed by a large, empty text input field with a vertical scrollbar on the right side. At the bottom of the form area, there are two buttons: "Previous" and "Submit questionnaire". The browser's status bar at the bottom shows "New | 5 / 5 | Modified by rules | Dirty | Dst_Erhv_2016_6103" and a zoom level of "100%".

Annex 6.4: User evaluation report 2nd quarter 2016

Optional module for monitoring user feedback and response burden

On the approval page of the IDEP.web program, there is a link to an optional questionnaire on the respondent's time usage and assessment of the tasks associated with reporting and a comments field for suggestions for improvements to the reporting solution (see Appendix: User feedback questionnaire).

Self-reported time usage


Reporters can select the time from a dropdown scale (5 min. – 3 hours). If “More than 3 hours” is chosen, the user is asked to enter the total hours used.

Reporting tasks

Respondents are asked to evaluate how Difficult/time-consuming the following reporting tasks are, using the scale Extremely, Quite, Slightly, Not at all:

- Access to IDEP.web
- Obtain the relevant information
- Understand guides and file examples
- Prepare files for uploading
- Upload files (data import)
- Enter data manually
- Correct errors in data
- Get help with the declaration

It is also possible to choose the option “Not relevant” for the tasks.

 **Voluntary questions on time usage and usability**

How difficult/time-consuming would you consider the following tasks?
Choose one answer in each line

	Extremely	Quite	Slightly	Not at all	Not applicable
Access to IDEP.web	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Obtain the relevant information	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Understand guides and file examples	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Prepare files for uploading	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Upload files (data import)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Enter data manually	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Correct errors in data	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Get help with the declaration	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Comments field

There is a comments field at the end of the questionnaire where the respondent can describe any difficulties or suggestions for improvement.

- **Regular Monitoring of response burden and user satisfaction**
- Reported time and user satisfaction is compiled annually for all statistics with an IDEP.web solution. Data is extracted and automatically an Excel spread sheet is generated with a presentation of time, user index and comments.

Calculated time usage

The average time usage is calculated to allow monitoring of trends in time consumption and comparison of self-reported time spent with AMWAB measurement (based on Standard Cost Model).

Example

Distribution of time usage [unit is hours]		%	
5 minutes	2	20	
15 minutes	1	10	
30 minutes	2	20	
60 minutes	1	10	
1,5 hours	3	30	
5 hours	1	10	
Total	10	100	

Average and dispersion of time usage [unit is hours]	
Time usage (in hours)	
Mean	Dispersion
	1,19

Satisfaction Index

A satisfaction index is calculated for each subtask and an overall index is calculated as an average of the ratings of the four (or eight) subtasks. The scaled is rated as follows: "Extremely" (0) "Quite" (1) "Slightly" (2) or "Not difficult / time consuming" (3). The score is multiplied by 100 and divided by 3 to produce an index of 0-100:

0:	Avg. = 0	All have answered "Quite difficult/time-consuming"
33:	Avg. = 1	"Quite difficult"
50:	Avg. = 1,5	Between "Slightly" and "Quite difficult/time-consuming"
67:	Avg. = 2	"Slightly difficult/time-consuming"
83:	Avg. = 2,5	Between "Slightly" and "Not at all difficult/time-consuming"
100:	Avg. = 3	All have answered "Not at all difficult/time-consuming."

Satisfaction index is a parameter used in prioritization of the surveys that need to be redesigned.

- An index of 50 or below is considered critical
- An index of 83 or above is considered ideal

Example

	Meget vanskeligt	Noget vanskeligt	Lidt vanskeligt	Slet ikke vanskeligt	I alt	Tilfredshedsindeks
Adgang til blanketten	212	336	578	2.962	4.088	85
Forstå spørgsmål	253	697	1.430	1.695	4.075	71
Fremskaffe oplysninger	298	798	1.426	1.546	4.068	68
Indtastning	102	228	646	3.074	4.050	88
Support vedr. adgang	135	110	182	1.055	1.482	82
Support vedr. indhold	80	90	187	841	1.198	83
I alt	1.080	2.259	4.449	11.173	18.961	79

- **Suggestions and Comments**

Comments are sorted by overall satisfaction index and a standard coding system which supports analysis prioritized by input.

Note: At the time of this report, there were only 10 Prodcum respondents who had answered the evaluation survey for IDEP.web. We hope to receive more data in the 3rd quarter report, which will then be used as a baseline measurement.

Distribution of time usage [unit is hours]

		%
5 minutes	2	20
15 minutes	1	10
30 minutes	2	20
60 minutes	1	10
1,5 hours	3	30
5 hours	1	10
Total	10	100

Average and dispersion of time usage [unit is hours]

Time usage (in hours)	
Mean	Dispersion
	1,19

Different measurements of time [unit is hours]

Statistical measurement	Værdi
Expectation value	1,190
Expectation value (Winsorized)	0,840
Expectation value (Trimmed)	
Mean (Expectation value)	0,750
Mode (Most frequent value)	1,500

Summary of responses (percent) IDEP.web for Prodcum

	Extremely	Quite	Slightly	Not at all		Total	Satisfaction index
Access to IDEP.web	2%	5%	14%	79%	100%	1.163	90
Understand guides and file examples	2%	5%	24%	69%	100%	1.157	86
Obtain the relevant information	6%	14%	27%	54%	100%	1.157	76
Enter data	2%	3%	16%	79%	100%	1.154	91
Total	3%	7%	20%	70%	100%	4.631	86

Summary of responses [number of responses]

	Extremely	Quite	Slightly	Not at all	Total	Satisfaction index
Access to IDEP.web		1	3	6	10	83
Obtain the relevant information		4	3	3	10	63
Understand guides and file examples	1	2	2	5	10	70
Prepare files for uploading			1	1	2	83
Upload files (data import)				1	1	100
Enter data manually	1	2	1	6	10	73
Correct errors in data		4	1	3	8	63
Get help with the declaration			3		3	67
Total	2	13	14	25	54	

Comment

It is confusing to use - not intuitive - and hard to know how to maneuver around! There are too many functions to choose from on the data entry page – and it is annoying not to be able to see the whole page with all lines at the same time.

Annex 6.5: Error checking parameters for PRODCOM

The validation rules are implemented in Idep.web and VIRK.dk

1. Validation of unit prices on commodity code level

The unit price (turnover/volume) is compared with the unit price from the previous reporting.

Scenario	Unit price > 2 * previous unit price	Unit price < 1/2 * previous unit price	Else
Message	<i>Unit price (Amount pr. Unit) seems HIGH. Please check values.</i>	<i>Unit price (Amount pr. Unit) seems LOW. Please check values.</i>	None (unit price is validated)

2. Validation of turnover reported on commodity code level

The turnover is compared with the turnover reported in the same quarter last year (to take into account seasonal patterns). If there is no data available from the same quarter last year, the turnover is compared with the turnover from the previous quarter.

Scenario	Turnover > 2 * previous turnover	Turnover < 1/2 * previous turnover	Else
Message	<i>Amount seems HIGH. Please check value.</i>	<i>Amount seems LOW. Please check value.</i>	None (turnover is validated)

3. Validation of total reported turnover

The total turnover is compared with the total turnover reported in the same quarter last year (to take into account seasonal patterns). If there is no data available from the same quarter last year, the total turnover is compared with the total turnover from the previous quarter.

Scenario	Total turnover > 2 * previous turnover	Total turnover < 1/2 * previous turnover	Else
Message	<i>Total turnover seems HIGH. Please check values.</i>	<i>Total turnover seems LOW. Please check values.</i>	None (total turnover is validated)

4. Validation of reported volume

Scenario	Volume is not reported	Volume is reported
Message	<i>Volume is missing on the commodity code. Please report volume if possible.</i>	None (volume is validated)

*Improved
On-line
Validation*

Date: <i>23-05-2016</i>	Authors: <i>Elzbieta Berliner (IT center)</i> <i>Ashu Conrad (Business Data Collection and Registers)</i>
Version: <i>1.0</i>	Responsible for development: <i>Statistics Denmark IT developers, Revolux</i>

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INTRODUCTION

Improved online validation allows checking of reporting data in the initial phase of the data collection process and in accordance with the error detection, which takes place in the statistical database.

1.1 Purpose

- *To limit or completely eliminate errors in reporting data in the statistical databases*
- *To limit or completely eliminate the error checks done by the statistical office*
- *To improve data quality and save time*
- *To decrease response burden as a result of re-contact*

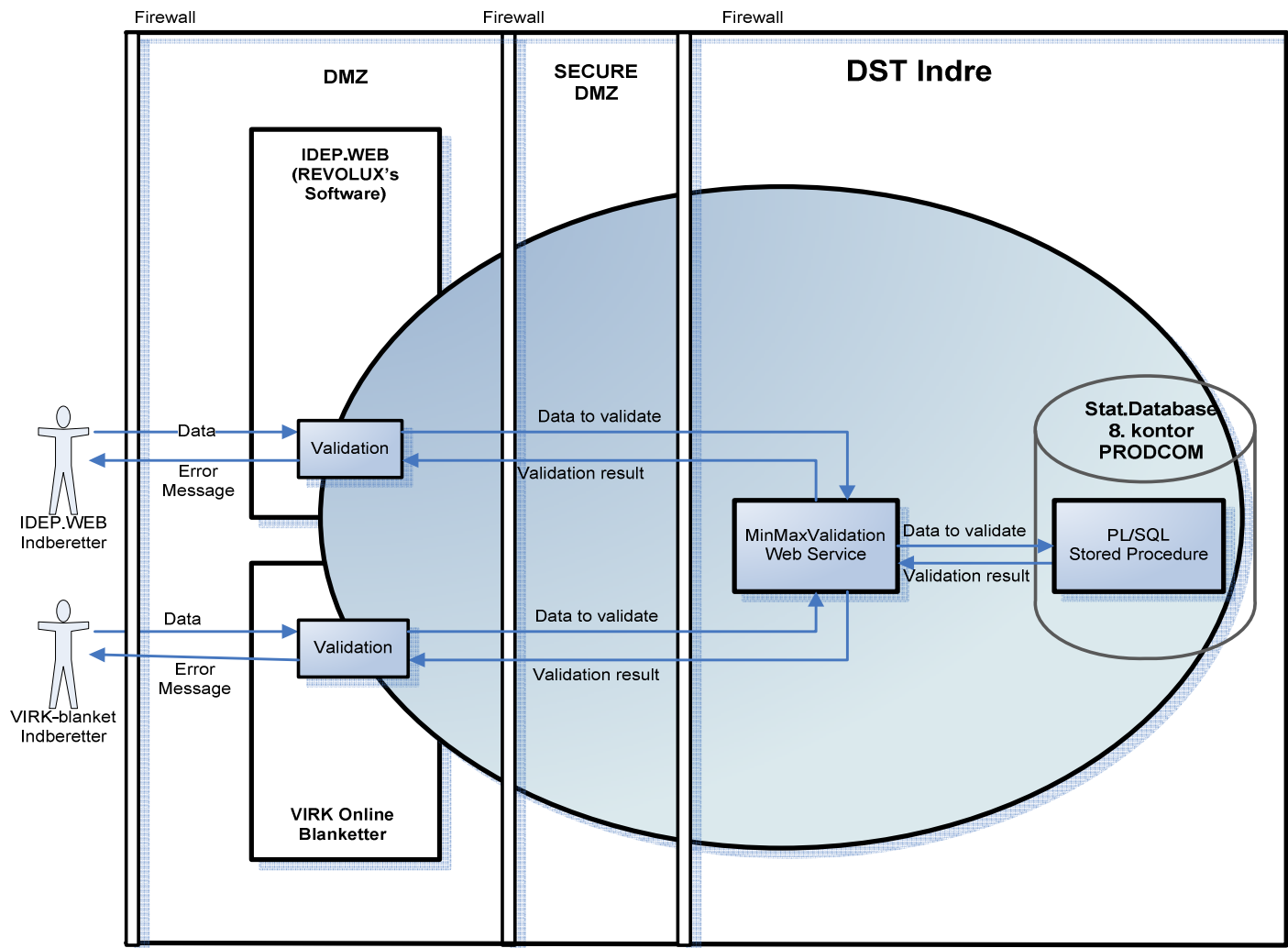
2. GENERAL DESCRIPTION

In order to improve the online validation, the following modules (shown in the diagram below) were developed:

- **"MinMaxValidation" Web Service**, which can be called via http connection from the user interface (IDEP.WEB and Virk Online Forms).
- **PL / SQL Stored Procedure**, which validates data by comparing with already existing data in the database for the same enterprise and product code, for previous periods. Data is validated for the entire product line to check relationships, for example relationship between invoice amount and quantity.

The web service calls the stored procedure and returns the validation result which is shown to the user if validation fails.

Min Max Online Validation



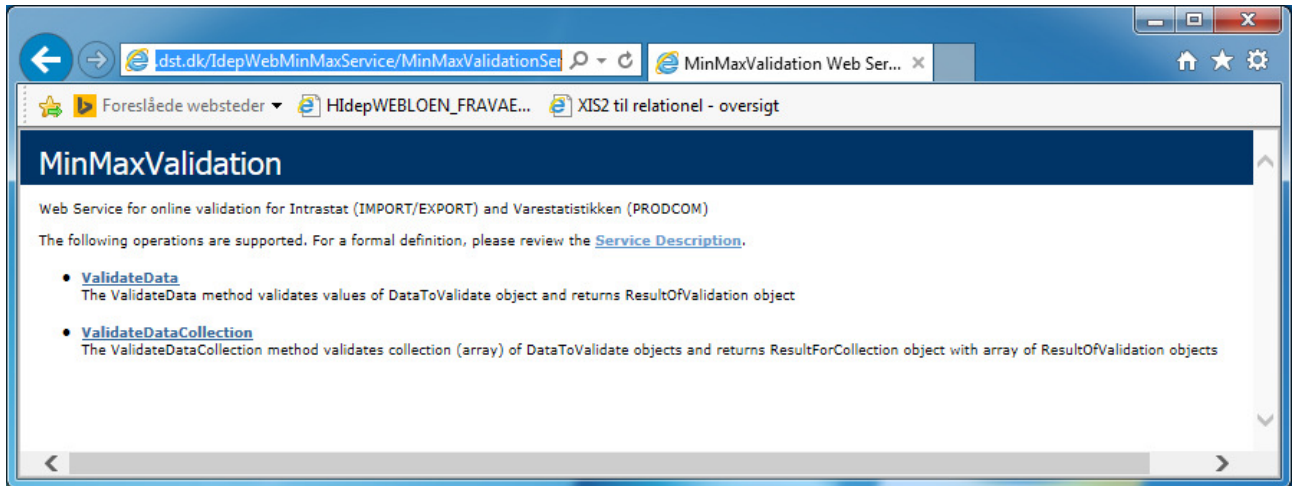
With respect to data security, there is no direct connection between the User Interface and the statistical database. The connection must go via Web Service (MinMaxValidation) and through firewalls and Secure Zone.

2.1 MinMaxValidation Web Service

MinMax Validation Web Service is installed on the DST internal server and can be accessed via Secure Zone using the HTTP connection:

<http://srvwstst2.dst.dk/IdepWebMinMaxService/MinMaxValidationService/MinMaxValidation.asmx>

WSDL document is shown in Annex.



MinMaxValidation Web Service has two methods:

- **ValidateData method** validates values for a product line (*DataToValidate* object) and returns the result with the status "ok" or "error" and message describing the error.
- **ValidateDataCollection** method validates collection (array) of product lines and returns the result of collection (array) of statuses and messages.

MinMaxValidationService/MinMaxValidation.asmx?op=ValidateData

MinMaxValidation Web Ser...

Foreslåede websteder HldepWEBLOEN_FRAVAE... XIS2 til relationel - oversigt

MinMaxValidation

Click [here](#) for a complete list of operations.

ValidateData

The ValidateData method validates values of DataToValidate object and returns ResultOfValidation object

Test

The test form is only available for requests from the local machine.

SOAP 1.1

The following is a sample SOAP 1.1 request and response. The placeholders shown need to be replaced with actual values.

```
POST /IdepWebMinMaxService/MinMaxValidationService/MinMaxValidation.asmx HTTP/1.1
Host: srvx1s2ent88.dst.local
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://dst.dk/ValidateData"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ValidateData xmlns="http://dst.dk/">
      <dataToValidate>
        <Id>int</Id>
        <Trid>string</Trid>
        <FSIID>string</FSIID>
        <CNISCode>string</CNISCode>
        <CountryCode>string</CountryCode>
        <NatureOfTransaction>string</NatureOfTransaction>
        <PeriodStart>string</PeriodStart>
        <NetMass>long</NetMass>
        <Quantity>long</Quantity>
        <InvoicedAmount>long</InvoicedAmount>
        <InvoicedAmountFactor>int</InvoicedAmountFactor>
      </dataToValidate>
    </ValidateData>
  </soap:Body>
</soap:Envelope>
```

```
HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ValidateDataResponse xmlns="http://dst.dk/">
      <ValidateDataResult>
        <Id>int</Id>
        <DataOk>int</DataOk>
        <ResultMessage>string</ResultMessage>
      </ValidateDataResult>
    </ValidateDataResponse>
  </soap:Body>
```

MinMaxValidation

Click [here](#) for a complete list of operations.

ValidateDataCollection

The ValidateDataCollection method validates collection (array) of DataToValidate objects and returns ResultForCollection object with array of ResultOfValidation objects

Test

The test form is only available for requests from the local machine.

SOAP 1.1

The following is a sample SOAP 1.1 request and response. The placeholders shown need to be replaced with actual values.

```

POST /IdpWebMinMaxService/MinMaxValidationService/MinMaxValidation.asmx HTTP/1.1
Host: srvx1s2ent88.dst.local
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://dst.dk/ValidateDataCollection"

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ValidateDataCollection xmlns="http://dst.dk/">
      <dataToValidateArray>
        <DataToValidate>
          <Id>int</Id>
          <Trid>string</Trid>
          <PSIID>string</PSIID>
          <CNSCode>string</CNSCode>
          <CountryCode>string</CountryCode>
          <NatureOfTransaction>string</NatureOfTransaction>
          <PeriodStart>string</PeriodStart>
          <NetMass>long</NetMass>
          <Quantity>long</Quantity>
          <InvoicedAmount>long</InvoicedAmount>
          <InvoicedAmountFactor>int</InvoicedAmountFactor>
        </DataToValidate>
      </dataToValidateArray>
    </ValidateDataCollection>
  </soap:Body>
</soap:Envelope>

HTTP/1.1 200 OK
Content-Type: text/xml; charset=utf-8
Content-Length: length

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
  <soap:Body>
    <ValidateDataCollectionResponse xmlns="http://dst.dk/">
      <ValidateDataCollectionResult>
        <ResultIndicator>int</ResultIndicator>
        <ErrorMessage>string</ErrorMessage>
        <ResultOfValidationArray>
          <ResultOfValidation>
            <Id>int</Id>
            <DataOk>int</DataOk>
            <ResultMessage>string</ResultMessage>
          </ResultOfValidation>
          <ResultOfValidation>
            <Id>int</Id>
            <DataOk>int</DataOk>
            <ResultMessage>string</ResultMessage>
          </ResultOfValidation>
        </ResultOfValidationArray>
      </ValidateDataCollectionResult>
    </ValidateDataCollectionResponse>
  </soap:Body>
</soap:Envelope>

```

SOAP 1.2

2.2 PL/SQL Stored Procedure

The PL/SQL Stored Procedure has been developed and placed in the statistical database and calls the "MinMaxValidation" Web Service. The procedure validates the input data (DataToValidate) in relation to the existing data from the previous periods, and returns the result with the appropriate error message.

Rules and cases for validation are described in the document: Appendix XX: Error checking parameters for PRODCOM.

3. Tool

Before the modules were released to the user interface, they were tested with a special tool designed for this purpose. Using the tool, it is possible to check if the validation built into the PL/SQL Stored Procedure works as intended, and whether the expected error messages were returned.

The user interface of the tool is shown below with examples of input and output data.

Data is valid (OK):

The screenshot shows a window titled "Min Max Validation - TEST". It contains several sections:

- STATISTIK**: A dropdown menu set to "PRODCOM (Varestatistikken)".
- Database**: Three input fields: "Data Source" (DB_DST.world), "Bruger ID" (A211610), and "Stored Proc." (VAS08_PRC_CHK_SANDSYNLIG_FEJL).
- Data**: A table of input fields:

		YYYYMMDD
TRID	240711	Periode Start 20160101
CVR-pli/Journal(PSI)	7001234646	Mængde 1560
Varekode (CN8Code)	8419500000	Værdi 67200
- Buttons**: "Valider med MinMaxValidation Web Service" and "Valider med MinMaxValidation Web Service (Samling)".
- Resultat**: A text area showing:

```
START: 2016-08-11 14:06:58 3198724
SLUT: 2016-08-11 14:06:58 3354724
-----
OK_OUT: 1 (data er valid)
TXT_OUT:
```

Data is not valid (Unit price seems low in relation to the previous reported):

Min Max Validation - TEST

STATISTIK **PRODCOM (Varestatistikken)** ▼

Database

Data Source:

Bruger ID:

Stored Proc.:

Data

TRID	<input type="text" value="240711"/>	Periode Start	<input type="text" value="20160101"/>
CVR-pli/Journal(PSI)	<input type="text" value="7001234646"/>	Mængde	<input type="text" value="15600"/>
Varekode (CN8Code)	<input type="text" value="8419500000"/>	Værdi	<input type="text" value="67200"/>

Resultat

```
START: 2016-08-11 13:59:02 2702724
SLUT: 2016-08-11 13:59:02 2858724
-----
OK_OUT:      0 (data er IKKE valid!)
TXT_OUT:      Enhedsprisen er lav ift. jeres seneste indberetning. Tjek venligst for tastefejl i
omsætningsfelt og mængdefelt.
```


Data is not valid (Unit price seems high, invoice amount seems high):

Min Max Validation - TEST

STATISTIK **PRODCOM (Varestatistikken)** ▼

Database

Data Source:

Bruger ID:

Stored Proc.:

Data

TRID	<input type="text" value="240711"/>	Periode Start	<input type="text" value="20160101"/>
CVR-pli/Journal(PSI)	<input type="text" value="7001234646"/>	Mængde	<input type="text" value="1560"/>
Varekode (CN8Code)	<input type="text" value="8419500000"/>	Værdi	<input type="text" value="200000"/>

Resultat

START: 2016-08-11 14:04:58 1530724
SLUT: 2016-08-11 14:04:58 1686724

OK_OUT: 0 (data er IKKE valid!)
TXT_OUT: Omsætningen på varekoden er høj ift. jeres seneste indberetning. Tjek venligst for tastefejl i omsætningsfelt. Enhedsprisen er høj ift. jeres seneste indberetning. Tjek venligst for tastefejl i omsætningsfelt og mængdefelt.

4. Annex: MinMaxValidation.wsdl

```
<?xml version="1.0" encoding="utf-8"?>
<wsdl:definitions xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:tm="http://microsoft.com/wsdl/mime/textMatching/"
xmlns:mime="http://schemas.xmlsoap.org/wsdl/mime/"
xmlns:tns="http://dst.dk/"
xmlns:http="http://schemas.xmlsoap.org/wsdl/http/"
xmlns:s="http://www.w3.org/2001/XMLSchema"
xmlns:soap12="http://schemas.xmlsoap.org/wsdl/soap12/"
targetNamespace="http://dst.dk/"
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">
  <wsdl:documentation
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">web service for online
validation for Intrastat (IMPORT/EXPORT) and Varestatistikken
(PRODCOM)</wsdl:documentation>
  <wsdl:types>
    <s:schema elementFormDefault="qualified"
targetNamespace="http://dst.dk/">
      <s:element name="ValidateData">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="0" maxOccurs="1"
name="dataToValidate" type="tns:DataToValidate" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:complexType name="DataToValidate">
        <s:sequence>
          <s:element minOccurs="1" maxOccurs="1" name="Id"
type="s:int" />
          <s:element minOccurs="0" maxOccurs="1" name="Trid"
type="s:string" />
          <s:element minOccurs="0" maxOccurs="1" name="PSIID"
type="s:string" />
          <s:element minOccurs="0" maxOccurs="1" name="CN8Code"
type="s:string" />
          <s:element minOccurs="0" maxOccurs="1" name="CountryCode"
type="s:string" />
          <s:element minOccurs="0" maxOccurs="1"
name="NatureOfTransaction" type="s:string" />
          <s:element minOccurs="0" maxOccurs="1" name="PeriodStart"
type="s:string" />
          <s:element minOccurs="1" maxOccurs="1" name="NetMass"
nillable="true" type="s:long" />
          <s:element minOccurs="1" maxOccurs="1" name="Quantity"
nillable="true" type="s:long" />
          <s:element minOccurs="1" maxOccurs="1" name="InvoicedAmount"
type="s:long" />
          <s:element minOccurs="1" maxOccurs="1"
name="InvoicedAmountFactor" type="s:int" />
        </s:sequence>
      </s:complexType>
      <s:element name="ValidateDataResponse">
        <s:complexType>
          <s:sequence>
            <s:element minOccurs="0" maxOccurs="1"
name="ValidateDataResult" type="tns:ResultOfValidation" />
          </s:sequence>
        </s:complexType>
      </s:element>
      <s:complexType name="ResultOfValidation">
```

```

        <s:sequence>
            <s:element minOccurs="1" maxOccurs="1" name="Id"
type="s:int" />
            <s:element minOccurs="1" maxOccurs="1" name="DataOk"
type="s:int" />
            <s:element minOccurs="0" maxOccurs="1" name="ResultMessage"
type="s:string" />
        </s:sequence>
    </s:complexType>
    <s:element name="ValidateDataCollection">
        <s:complexType>
            <s:sequence>
                <s:element minOccurs="0" maxOccurs="1"
name="dataToValidateArray" type="tns:ArrayOfDataToValidate" />
            </s:sequence>
        </s:complexType>
    </s:element>
    <s:complexType name="ArrayOfDataToValidate">
        <s:sequence>
            <s:element minOccurs="0" maxOccurs="unbounded"
name="DataToValidate" nillable="true" type="tns:DataToValidate" />
        </s:sequence>
    </s:complexType>
    <s:element name="ValidateDataCollectionResponse">
        <s:complexType>
            <s:sequence>
                <s:element minOccurs="0" maxOccurs="1"
name="ValidateDataCollectionResult" type="tns:ResultForCollection" />
            </s:sequence>
        </s:complexType>
    </s:element>
    <s:complexType name="ResultForCollection">
        <s:sequence>
            <s:element minOccurs="1" maxOccurs="1"
name="ResultIndicator" type="s:int" />
            <s:element minOccurs="0" maxOccurs="1" name="ErrorMessage"
type="s:string" />
            <s:element minOccurs="0" maxOccurs="1"
name="ResultOfValidationArray" type="tns:ArrayOfResultOfValidation" />
        </s:sequence>
    </s:complexType>
    <s:complexType name="ArrayOfResultOfValidation">
        <s:sequence>
            <s:element minOccurs="0" maxOccurs="unbounded"
name="ResultOfValidation" nillable="true"
type="tns:ResultOfValidation" />
        </s:sequence>
    </s:complexType>
</s:schema>
</wsdl:types>
<wsdl:message name="ValidateDataSoapIn">
    <wsdl:part name="parameters" element="tns:ValidateData" />
</wsdl:message>
<wsdl:message name="ValidateDataSoapOut">
    <wsdl:part name="parameters" element="tns:ValidateDataResponse" />
</wsdl:message>
<wsdl:message name="ValidateDataCollectionSoapIn">
    <wsdl:part name="parameters" element="tns:ValidateDataCollection"
/>
</wsdl:message>
<wsdl:message name="ValidateDataCollectionSoapOut">
    <wsdl:part name="parameters"
element="tns:ValidateDataCollectionResponse" />
</wsdl:message>
<wsdl:portType name="MinMaxValidationSoap">

```

```

    <wsdl:operation name="ValidateData">
      <wsdl:documentation
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">The ValidateData method
validates values of DataToValidate object and returns
ResultOfValidation object </wsdl:documentation>
      <wsdl:input message="tns:ValidateDataSoapIn" />
      <wsdl:output message="tns:ValidateDataSoapOut" />
    </wsdl:operation>
    <wsdl:operation name="ValidateDataCollection">
      <wsdl:documentation
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">The
ValidateDataCollection method validates collection (array) of
DataToValidate objects and returns ResultForCollection object with
array of ResultOfValidation objects</wsdl:documentation>
      <wsdl:input message="tns:ValidateDataCollectionSoapIn" />
      <wsdl:output message="tns:ValidateDataCollectionSoapOut" />
    </wsdl:operation>
  </wsdl:portType>
  <wsdl:binding name="MinMaxValidationSoap"
type="tns:MinMaxValidationSoap">
    <soap:binding transport="http://schemas.xmlsoap.org/soap/http" />
    <wsdl:operation name="ValidateData">
      <soap:operation soapAction="http://dst.dk/ValidateData"
style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ValidateDataCollection">
      <soap:operation
soapAction="http://dst.dk/ValidateDataCollection" style="document" />
      <wsdl:input>
        <soap:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
  </wsdl:binding>
  <wsdl:binding name="MinMaxValidationSoap12"
type="tns:MinMaxValidationSoap">
    <soap12:binding transport="http://schemas.xmlsoap.org/soap/http"
/>
    <wsdl:operation name="ValidateData">
      <soap12:operation soapAction="http://dst.dk/ValidateData"
style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="ValidateDataCollection">
      <soap12:operation
soapAction="http://dst.dk/ValidateDataCollection" style="document" />
      <wsdl:input>
        <soap12:body use="literal" />
      </wsdl:input>
      <wsdl:output>
        <soap12:body use="literal" />
      </wsdl:output>
    </wsdl:operation>
  </wsdl:binding>

```

```

    </wsdl:operation>
  </wsdl:binding>
  <wsdl:service name="MinMaxValidation">
    <wsdl:documentation
xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/">web Service for online
validation for Intrastat (IMPORT/EXPORT) and Varestatistikken
(PRODCOM)</wsdl:documentation>
    <wsdl:port name="MinMaxValidationSoap"
binding="tns:MinMaxValidationSoap">
      <soap:address
location="http://srvxis2tntr4.dst.local/IdepwebMinMaxService/MinMaxVal
idationService/MinMaxValidation.asmx" />
    </wsdl:port>
    <wsdl:port name="MinMaxValidationSoap12"
binding="tns:MinMaxValidationSoap12">
      <soap12:address
location="http://srvxis2tntr4.dst.local/IdepwebMinMaxService/MinMaxVal
idationService/MinMaxValidation.asmx" />
    </wsdl:port>
  </wsdl:service>
</wsdl:definitions>

```

Annex 6.7: Thesaurus for CN8 commodity codes

26 august 2016

Thesaurus for CN8 commodity codes

Description of project area	Creating synonyms for commodity codes is part of the IMDACO (Improved data collection) project, where the goal is to improve data collection and quality for the Industrial Commodity Statistics (Prodcum). As Intrastat and Prodcum both use CN8 codes, the project will benefit reporters to both statistics.
Purpose	To improve the search function for CN8 codes in reporting solutions for Prodcum by expanding the search function to include synonyms for commodity codes.
Background	In both IDEP.WEB and Virk-forms, users need to choose the right CN8 code for their products. Often a user may not know the relevant product code, but must search for it in the CN8 (combined nomenclature). It is not always logical for the user what their product is called in the CN8 description. For example; for many years, if you searched for "mobile phone" in the CN8, you would not get any result (this has now been corrected). Likewise, there are many new IT terms which will not give search result, e.g. "ipad", "smart phone", etc.
Synonym function in IDEP.web	<p>In the IDEP.WEB program, it is possible to enter/upload synonyms for commodity codes via MStool (tool for editing IDEP.WEB). When these words are entered into the search field, IDEP displays the associated commodity codes in the search result.</p> <p>Sweden has already created a list of synonyms (mostly associated with IT terms), which they have implemented in IDEP.web. Statistics Denmark has translated this list and sent it to SKAT for approval (see Appendix 1: List of CN8 codes and suggested synonyms).</p>
Tax office approval	In Denmark, commodity codes are controlled by the Tax office (SKAT), and it is not permitted for Statistics Denmark to make any changes affecting the codes without their approval. Any suggestions for synonyms must therefore be approved by SKAT before they can be implemented.
Search function in the Virk-forms	These synonyms will also be implemented in the Virk-form. This will be done as an extension to the Danish version of the CN8 database, which is used by the search function.
Implementation	It is already possible to implement synonyms in IDEP.WEB where it only requires that the synonym/product code combination is uploaded/entered into the MsTool program. The Virk-forms require that the new synonyms are added to the CN8 database. They will then be available via Statistics Denmark's webbased search function and can be accessed from the forms.
Suggestions for new synonyms	Suggestions for new synonyms for commodity codes will be based on feedback from users who contact the support team because they are not able to find the relevant product code. User suggestions can be collected and entered in a spread sheet and periodically updated in IDEP.web and the CN8 database.

CN8Code	Danish synonym
85234959	Clipart (på CD)
85234959	Billedgalleri/Photo Gallery (på CD)
85234959	Screensaver billeder (på CD)
85234945	Spil program (på CD)
85234945	Multimedia (på CD)
85234945	Interaktivt undervisningsmateriale (på CD)
84718000	Switch (afbryder) for computere
84718000	Hub
84718000	Router
84718000	Netværkskort
84718000	Printserver
84718000	Internetserver
84718000	Concentrator
84718000	Multiplekser
84718000	Kabelmodem
84718000	Lydkort
84716070	Mus til computer/Computermus
84716070	Computerskærm/PC-skærm
84716070	Data projektor
84716070	Computer/PC i fælles kabinet f.eks. MAC
84716070	Scanner
84145980	PC/Computer ventilator
39231000	Opbevaring til CD og disketter, plastic æsker
85234991	CAD/CAM-programmer (på disketter)
85234991	Billedhåndteringsprogrammer (på diskette)
84713000	Bærbar computer/PC . Laptop, PDA < 10 kg
84713000	iPad
84713000	Tablet
42021110	Computertaske skind
6908	Fliser
6908	Klinker
42021291	Computertaske nylon
39269097	Musemåtte plastik
85232915	Diskette tom
40161000	Musemåtte gummi
6907	Fliser
6907	Klinker
85234110	Systemprogram (på CD)
85234110	Applikationsprogram (på CD)
85234110	Kommunikationsprogram (på CD)
85234110	CAD/CAM program (på CD)

CN8Code	Danish synonym
85234110	Program for styring (på CD)
85234110	Billedhåndteringsprogram (på CD)
85234110	CD-plade, tom
85234110	DVD-plade, tom
84717098	USB-stick
84714900	PC, komplet system
85238099	Clipart (på diskette)
08109075	Granatæble
08109075	Multebær
8451	Vaskemaskine
650610	Hjelme
3003	Lægemiddel
3003	Medicin
3004	Medicin
3004	Lægemiddel
84714100	Computer
84714100	PC
84715000	PC, ikke komplet system
85234190	CD-disk, tom
84717070	Disketteenheder
0706	Pastinak
220300	Øl
07099310	Squash
3214	Fugemasse
40169200	Viskelæder
8203	Tang
8425	Spil
8429	Læssemaskiner på hjul
8502	Savklinge
9015	Vaterpas
49100000	Kalender
85269120	GPS
85171200	iPhone
85171200	Smartphone
85437090	E-boglæser
85437090	E-reader
84198120	Kaffemaskine
85094000	Elpisker/Håndmixer
2103	Mayonnaise/Majonæs
01061900	Mus
1301	Røgelse
85437050	Solarier/Solcenter

CN8Code	Danish synonym
2106	Sødemiddel
3824	Sødemiddel
2209	Balsamico vineddike
2209	Vineddike
03	Muslinger
16	Muslinger
8704	Lastbil fastlad
33079000	Linsevæske
12079996	Chiafrø
12089000	Chiamel
84433210	Printer
21069092	Tofu

Annex 6.8: Commodity codes (CN8)

CN-codes	Number units reporting on the CN-code		Turnover on the CN-code, 1.000 DKK	
	<i>Among the 495 units</i>	<i>In the whole PRODCOM survey</i>	<i>Among the 495 units</i>	<i>In the whole PRODCOM survey</i>
20130000	1	13	188.181	3.415.164
20321100	1	1	37.953	37.953
30441000	1	6	183.668	848.611
70190900	1	2	50.842	86.145
70999900	1	2	148.451	150.072
71190900	1	1	11.408	11.408
12122100	1	1	15.598	15.598
16010091	1	11	211.190	872.139
16010099	1	16	60.516	924.772
16022090	1	5	26.339	366.931
17049071	1	3	55.916	105.441
17049099	1	11	8.979	473.034
19019099	1	7	25.253	1.327.334
19053130	1	3	235.320	1.098.843
19059030	1	10	60.666	2.122.077
19059060	1	12	106.551	997.008
20052020	1	2	31.893	299.181
21039090	1	17	21.697	810.450
21050099	1	3	39.499	259.548
22029099	1	4	260.221	481.485
23091031	1	2	30.504	58.404
23099031	1	5	26.708	1.850.681
23099096	2	25	373.341	11.255.727
24021000	1	1	184.352	184.352
25171010	1	15	75.877	1.037.224
27090090	1	9	173.818	20.021.155
28391900	1	1	44.236	44.236
29225000	1	1	218.545	218.545
29343090	1	1	15.709	15.709
30019098	1	2	101.877	152.472
30059010	1	1	8.332	8.332
32081090	1	4	67.150	222.796
34012090	1	9	59.352	171.402
34021200	1	3	48.869	61.045
34029090	2	13	84.819	355.651
37051000	1	6	15.418	29.635
38220000	1	5	24.161	1.338.289
38245010	2	14	96.934	1.898.716

39139000	1	6	28.296	109.173
39173200	1	9	82.967	151.582
39174000	3	8	151.669	430.091
39191080	1	4	27.457	36.578
39201025	1	6	185.839	1.127.131
39204390	1	2	249.713	250.553
39205990	1	1	31.749	31.749
39211390	1	1	26.737	26.737
39231000	1	18	66.950	1.382.970
39232100	1	10	24.814	321.911
39233010	3	16	224.881	540.323
39239000	3	15	236.244	962.222
39252000	3	17	127.471	753.848
39259080	1	11	72.096	349.383
39261000	3	6	160.869	177.020
39269092	1	9	45.711	172.219
39269097	19	106	712.967	3.571.196
40161000	1	4	39.384	105.271
40169997	1	12	20.579	205.282
44091018	1	3	181.419	294.872
44101150	1	1	55.762	55.762
44111490	1	1	88.785	88.785
44121000	1	2	15.353	19.806
44129940	1	1	19.475	19.475
44152020	1	22	20.198	95.530
44181050	5	29	93.641	3.414.607
44181090	1	5	20.725	612.082
44182050	1	10	14.267	1.403.720
44182080	1	3	109.884	240.598
44187200	1	1	44.936	44.936
44189010	3	5	304.976	371.571
44189080	6	18	327.079	840.083
48024090	1	1	6.191	6.191
48025400	1	2	224.554	224.909
48059200	1	2	25.637	117.414
48081000	1	5	27.171	85.287
48171000	2	19	40.534	84.677
48192000	1	13	74.989	582.639
48194000	1	3	24.064	34.310
48211010	7	36	415.233	1.117.259
48239085	1	12	8.227	289.417
49011000	1	7	18.000	117.705
49019900	3	32	162.869	652.082

49021000	1	9	79.021	1.028.840
49029000	1	29	39.910	1.308.008
49111090	8	51	436.085	1.903.876
49119100	1	2	12.197	14.273
49119900	3	22	126.379	406.952
56081120	1	3	25.821	58.479
61103099	1	6	27.512	39.072
61130090	1	3	71.406	107.074
62105000	1	4	8.381	13.232
63039290	1	4	28.350	67.262
63061200	2	9	56.348	146.662
63061900	1	4	22.875	33.366
63063000	1	1	73.021	73.021
63071010	1	3	13.612	39.307
68029310	2	8	38.601	129.945
68101900	1	17	13.116	767.224
68109100	4	29	512.255	3.774.897
70080089	1	4	56.099	57.120
70131000	1	3	12.069	38.569
71131900	1	5	68.031	191.826
72124020	1	2	15.384	25.502
73041930	1	2	25.593	26.373
73072980	1	6	23.762	438.890
73089059	21	89	957.988	3.796.651
73089098	27	124	1.137.312	7.964.292
73090059	1	14	40.457	181.215
73090090	1	3	142.024	204.531
73202020	1	1	113.322	113.322
73218900	1	8	82.196	542.123
73221900	1	2	124.633	141.339
73251000	1	7	49.845	773.895
73259990	2	4	66.987	72.618
73269096	1	8	42.198	207.615
73269098	42	176	1.508.340	6.319.213
74153300	1	2	65.197	69.334
74199100	1	6	21.554	158.899
74199990	1	8	30.625	101.612
76101000	4	15	168.653	706.864
76109090	2	16	288.340	1.019.807
76169910	3	18	58.462	230.603
76169990	1	37	69.331	600.931
79070000	1	3	34.475	58.170
82073010	1	15	13.732	114.146

83014090	1	2	21.001	21.010
83024190	1	7	76.611	290.937
83079000	1	1	92.166	92.166
84099900	2	7	67.109	715.021
84122180	1	5	35.454	184.309
84145980	3	11	123.284	310.111
84149000	3	16	63.870	143.538
84158300	2	12	51.250	414.283
84159000	1	14	24.910	131.824
84163000	1	5	18.534	155.208
84169000	1	3	100.159	1.085.266
84186900	2	15	327.593	1.550.770
84191900	2	6	262.638	722.144
84198998	1	7	147.270	457.402
84212100	1	11	38.795	328.757
84212300	1	2	17.335	17.534
84213920	2	12	120.002	522.288
84219900	3	12	101.455	288.696
84223000	2	11	112.896	713.342
84239000	1	6	20.729	45.951
84242000	1	3	30.229	32.060
84249000	1	11	27.356	486.791
84281020	1	5	21.169	117.137
84283300	2	19	300.787	1.416.315
84289090	2	26	57.506	846.942
84313900	2	26	124.548	604.482
84314300	1	2	15.596	43.139
84314920	1	5	70.998	112.851
84314980	1	8	20.272	91.681
84329000	2	8	77.144	345.862
84378000	1	3	36.684	107.352
84379000	1	4	5.917	18.451
84381010	1	9	44.214	968.998
84388099	2	13	62.593	1.645.289
84389000	4	19	192.725	809.800
84425020	3	8	89.750	165.156
84425080	1	4	10.144	35.853
84439191	2	4	93.775	267.777
84439199	1	3	10.493	31.592
84669330	1	4	43.043	80.979
84669400	1	8	23.391	116.989
84678900	1	1	32.584	32.584
84733020	2	15	153.676	466.254

84733080	1	6	226.835	292.523
84749090	1	2	16.006	31.485
84791000	2	6	170.365	323.605
84795000	1	6	27.742	197.865
84798997	5	46	92.428	1.078.239
84799020	5	29	108.750	422.693
84799080	3	22	95.695	474.176
84803090	1	2	12.734	18.858
84807100	5	25	131.189	298.278
84807900	1	6	69.491	233.159
84818011	1	5	262.829	459.412
84818099	1	9	72.579	499.860
84833038	1	2	23.733	23.962
84834021	1	3	17.403	232.410
84862090	1	2	164.192	165.731
85013200	1	1	10.893	10.893
85030099	1	11	14.631	317.992
85153100	1	3	37.554	210.278
85176200	2	10	127.937	628.138
85177090	1	11	51.323	730.206
85182100	1	2	153.780	156.140
85189000	1	8	12.826	41.955
85256000	1	2	85.941	94.113
85286910	1	2	29.988	206.282
85308000	2	4	125.532	171.088
85340011	1	5	18.084	56.412
85365080	1	6	52.456	563.025
85366990	1	9	38.499	86.184
85371010	5	21	248.532	559.734
85371091	1	19	16.402	1.559.959
85372091	1	4	264.907	347.295
85389011	2	3	54.668	54.993
85389091	1	12	53.578	282.344
85393110	1	1	99.925	99.925
85419000	1	2	105.802	107.161
85437090	4	18	136.033	512.119
85439000	3	9	169.200	223.227
85444995	1	9	166.386	303.598
85489090	2	6	69.008	276.577
87079090	2	12	99.011	700.309
87082990	1	6	18.577	140.929
87083091	1	4	265.207	668.842
87084099	1	2	119.039	123.954

87089997	1	6	23.124	657.551
87100000	1	2	43.940	90.834
87142000	1	5	201.320	257.902
87150010	1	2	35.679	48.999
87163100	1	3	107.842	110.304
88033000	1	4	25.379	387.258
90022000	1	2	24.435	24.533
90151010	1	2	78.058	78.720
90181910	1	1	113.782	113.782
90189084	2	7	143.356	240.057
90211010	1	6	49.570	267.494
90219010	1	8	61.609	1.983.257
90268020	1	3	26.362	81.377
90271010	1	3	42.859	63.080
90314990	1	3	54.320	81.640
90318034	1	5	17.672	18.954
90318038	3	21	106.996	2.383.229
90328900	1	11	40.957	1.283.102
90330000	1	13	64.395	395.121
94014000	1	5	113.742	120.526
94016100	5	24	132.306	581.255
94016900	1	13	16.151	180.657
94019030	3	7	228.323	254.487
94029000	3	10	98.607	286.309
94031058	1	6	74.990	139.701
94032080	3	22	53.051	403.374
94034010	6	19	166.673	2.855.615
94034090	1	2	17.403	27.205
94035000	3	9	171.868	1.266.657
94036010	5	29	326.628	922.249
94036030	2	13	30.662	347.061
94036090	2	10	58.285	859.701
94039030	4	15	343.046	655.609
94051098	1	4	267.279	316.351
94054091	1	4	13.740	95.567
94059900	1	9	21.825	43.928
94060020	2	14	230.630	1.022.856
94060038	1	5	42.101	49.597
95030030	1	1	21.262	21.262
95030095	2	2	136.207	136.207
95069990	1	2	44.326	69.824
96035000	1	5	22.754	37.532

Annex 6.9: Percent of total PRODCOM turnover

CN-codes	Turnover on the CN-code, 1.000 DKK		Percent of total PRODCOM turnover
	<i>Among the 495 units</i>	<i>In the whole PRODCOM survey</i>	
20321100	37.953	37.953	100,0
71190900	11.408	11.408	100,0
12122100	15.598	15.598	100,0
24021000	184.352	184.352	100,0
28391900	44.236	44.236	100,0
29225000	218.545	218.545	100,0
29343090	15.709	15.709	100,0
30059010	8.332	8.332	100,0
39205990	31.749	31.749	100,0
39211390	26.737	26.737	100,0
44101150	55.762	55.762	100,0
44111490	88.785	88.785	100,0
44129940	19.475	19.475	100,0
44187200	44.936	44.936	100,0
48024090	6.191	6.191	100,0
63063000	73.021	73.021	100,0
73202020	113.322	113.322	100,0
83079000	92.166	92.166	100,0
84678900	32.584	32.584	100,0
85013200	10.893	10.893	100,0
85393110	99.925	99.925	100,0
90181910	113.782	113.782	100,0
95030030	21.262	21.262	100,0
95030095	136.207	136.207	100,0
83014090	21.001	21.010	100,0
48025400	224.554	224.909	99,8
39204390	249.713	250.553	99,7
90022000	24.435	24.533	99,6
85389011	54.668	54.993	99,4
90151010	78.058	78.720	99,2
84862090	164.192	165.731	99,1
84833038	23.733	23.962	99,0
70999900	148.451	150.072	98,9
84212300	17.335	17.534	98,9
85419000	105.802	107.161	98,7
85182100	153.780	156.140	98,5
70080089	56.099	57.120	98,2
87163100	107.842	110.304	97,8

73041930	25.593	26.373	97,0
87084099	119.039	123.954	96,0
94014000	113.742	120.526	94,4
84242000	30.229	32.060	94,3
74153300	65.197	69.334	94,0
90318034	17.672	18.954	93,2
73259990	66.987	72.618	92,2
85256000	85.941	94.113	91,3
39261000	160.869	177.020	90,9
94019030	228.323	254.487	89,7
73221900	124.633	141.339	88,2
49119100	12.197	14.273	85,5
94060038	42.101	49.597	84,9
94051098	267.279	316.351	84,5
44189010	304.976	371.571	82,1
34021200	48.869	61.045	80,1
87142000	201.320	257.902	78,1
84733080	226.835	292.523	77,5
44121000	15.353	19.806	77,5
85372091	264.907	347.295	76,3
85439000	169.200	223.227	75,8
39191080	27.457	36.578	75,1
85308000	125.532	171.088	73,4
87150010	35.679	48.999	72,8
61103099	27.512	39.072	70,4
48194000	24.064	34.310	70,1
73090090	142.024	204.531	69,4
63061900	22.875	33.366	68,6
90271010	42.859	63.080	67,9
84803090	12.734	18.858	67,5
30019098	101.877	152.472	66,8
61130090	71.406	107.074	66,7
90314990	54.320	81.640	66,5
94034090	17.403	27.205	64,0
95069990	44.326	69.824	63,5
62105000	8.381	13.232	63,3
84314920	70.998	112.851	62,9
44091018	181.419	294.872	61,5
96035000	22.754	37.532	60,6
72124020	15.384	25.502	60,3
90189084	143.356	240.057	59,7
79070000	34.475	58.170	59,3
70190900	50.842	86.145	59,0

84818011	262.829	459.412	57,2
85444995	166.386	303.598	54,8
39173200	82.967	151.582	54,7
84425020	89.750	165.156	54,3
22029099	260.221	481.485	54,0
94031058	74.990	139.701	53,7
84669330	43.043	80.979	53,2
17049071	55.916	105.441	53,0
84791000	170.365	323.605	52,6
94039030	343.046	655.609	52,3
23091031	30.504	58.404	52,2
37051000	15.418	29.635	52,0
84749090	16.006	31.485	50,8
94059900	21.825	43.928	49,7
87100000	43.940	90.834	48,4
48171000	40.534	84.677	47,9
44182080	109.884	240.598	45,7
84239000	20.729	45.951	45,1
85366990	38.499	86.184	44,7
84149000	63.870	143.538	44,5
85371010	248.532	559.734	44,4
56081120	25.821	58.479	44,2
84807100	131.189	298.278	44,0
63039290	28.350	67.262	42,1
39233010	224.881	540.323	41,6
84145980	123.284	310.111	39,8
87083091	265.207	668.842	39,7
44189080	327.079	840.083	38,9
63061200	56.348	146.662	38,4
40161000	39.384	105.271	37,4
48211010	415.233	1.117.259	37,2
84191900	262.638	722.144	36,4
84314300	15.596	43.139	36,2
71131900	68.031	191.826	35,5
94036010	326.628	922.249	35,4
39174000	151.669	430.091	35,3
84219900	101.455	288.696	35,1
84439191	93.775	267.777	35,0
63071010	13.612	39.307	34,6
34012090	59.352	171.402	34,6
94029000	98.607	286.309	34,4
84378000	36.684	107.352	34,2
84439199	10.493	31.592	33,2

84733020	153.676	466.254	33,0
90268020	26.362	81.377	32,4
84198998	147.270	457.402	32,2
84379000	5.917	18.451	32,1
85340011	18.084	56.412	32,1
48081000	27.171	85.287	31,9
70131000	12.069	38.569	31,3
49119900	126.379	406.952	31,1
85189000	12.826	41.955	30,6
32081090	67.150	222.796	30,1
74199990	30.625	101.612	30,1
84807900	69.491	233.159	29,8
68029310	38.601	129.945	29,7
84425080	10.144	35.853	28,3
76109090	288.340	1.019.807	28,3
85437090	136.033	512.119	26,6
39269092	45.711	172.219	26,5
83024190	76.611	290.937	26,3
39139000	28.296	109.173	25,9
84799020	108.750	422.693	25,7
76169910	58.462	230.603	25,4
73089059	957.988	3.796.651	25,2
49019900	162.869	652.082	25,0
85489090	69.008	276.577	25,0
39239000	236.244	962.222	24,6
16010091	211.190	872.139	24,2
73269098	1.508.340	6.319.213	23,9
76101000	168.653	706.864	23,9
34029090	84.819	355.651	23,8
84389000	192.725	809.800	23,8
84213920	120.002	522.288	23,0
49111090	436.085	1.903.876	22,9
94016100	132.306	581.255	22,8
94060020	230.630	1.022.856	22,5
73090059	40.457	181.215	22,3
84329000	77.144	345.862	22,3
84314980	20.272	91.681	22,1
48059200	25.637	117.414	21,8
30441000	183.668	848.611	21,6
19053130	235.320	1.098.843	21,4
84283300	300.787	1.416.315	21,2
44152020	20.198	95.530	21,1
84186900	327.593	1.550.770	21,1

39259080	72.096	349.383	20,6
84313900	124.548	604.482	20,6
85176200	127.937	628.138	20,4
73269096	42.198	207.615	20,3
84799080	95.695	474.176	20,2
84669400	23.391	116.989	20,0
39269097	712.967	3.571.196	20,0
84122180	35.454	184.309	19,2
85389091	53.578	282.344	19,0
84159000	24.910	131.824	18,9
90211010	49.570	267.494	18,5
84281020	21.169	117.137	18,1
85153100	37.554	210.278	17,9
39252000	127.471	753.848	16,9
39201025	185.839	1.127.131	16,5
90330000	64.395	395.121	16,3
84223000	112.896	713.342	15,8
49011000	18.000	117.705	15,3
21050099	39.499	259.548	15,2
73218900	82.196	542.123	15,2
85286910	29.988	206.282	14,5
84818099	72.579	499.860	14,5
94054091	13.740	95.567	14,4
73089098	1.137.312	7.964.292	14,3
87079090	99.011	700.309	14,1
84795000	27.742	197.865	14,0
68109100	512.255	3.774.897	13,6
94035000	171.868	1.266.657	13,6
74199100	21.554	158.899	13,6
87082990	18.577	140.929	13,2
94032080	53.051	403.374	13,2
48192000	74.989	582.639	12,9
84158300	51.250	414.283	12,4
82073010	13.732	114.146	12,0
84163000	18.534	155.208	11,9
84212100	38.795	328.757	11,8
76169990	69.331	600.931	11,5
19059060	106.551	997.008	10,7
20052020	31.893	299.181	10,7
40169997	20.579	205.282	10,0
84099900	67.109	715.021	9,4
85365080	52.456	563.025	9,3
84169000	100.159	1.085.266	9,2

94016900	16.151	180.657	8,9
94036030	30.662	347.061	8,8
84798997	92.428	1.078.239	8,6
39232100	24.814	321.911	7,7
49021000	79.021	1.028.840	7,7
84834021	17.403	232.410	7,5
25171010	75.877	1.037.224	7,3
16022090	26.339	366.931	7,2
85177090	51.323	730.206	7,0
84289090	57.506	846.942	6,8
94036090	58.285	859.701	6,8
88033000	25.379	387.258	6,6
16010099	60.516	924.772	6,5
73251000	49.845	773.895	6,4
94034010	166.673	2.855.615	5,8
84249000	27.356	486.791	5,6
20130000	188.181	3.415.164	5,5
73072980	23.762	438.890	5,4
38245010	96.934	1.898.716	5,1
39231000	66.950	1.382.970	4,8
85030099	14.631	317.992	4,6
84381010	44.214	968.998	4,6
90318038	106.996	2.383.229	4,5
84388099	62.593	1.645.289	3,8
87089997	23.124	657.551	3,5
44181090	20.725	612.082	3,4
23099096	373.341	11.255.727	3,3
90328900	40.957	1.283.102	3,2
90219010	61.609	1.983.257	3,1
49029000	39.910	1.308.008	3,1
19059030	60.666	2.122.077	2,9
48239085	8.227	289.417	2,8
44181050	93.641	3.414.607	2,7
21039090	21.697	810.450	2,7
19019099	25.253	1.327.334	1,9
17049099	8.979	473.034	1,9
38220000	24.161	1.338.289	1,8
68101900	13.116	767.224	1,7
23099031	26.708	1.850.681	1,4
85371091	16.402	1.559.959	1,1
44182050	14.267	1.403.720	1,0
27090090	173.818	20.021.155	0,9

Annex 6.10: NACE activity codes

Activity Code NACE rev.2	Number of units on the NACE activity code		Turnover on the NACE activity code, 1.000 DKK	
	Among the 495 units	In the whole PRODCOM survey	Among the 495 units	In the whole PRODCOM survey
61000	1	9	173.818	26.492.776
81200	1	16	75.877	1.269.415
101110	1	13	37.953	24.118.138
101190	1	14	188.181	7.017.144
101300	3	21	298.045	7.858.330
102020	1	42	183.668	11.496.987
103100	2	4	82.735	938.977
103900	2	17	159.859	2.571.530
105100	1	16	260.221	51.379.927
105200	1	4	39.499	442.504
107110	2	15	167.217	3.881.791
107200	1	5	235.320	1.680.432
108200	2	16	64.895	3.549.306
108400	1	5	21.697	1.403.873
108900	2	15	40.851	4.081.588
109100	3	24	400.049	23.413.925
109200	1	3	30.504	949.344
120000	1	5	184.352	1.422.521
139210	1	16	28.350	1.459.704
139220	5	12	165.856	513.591
139400	1	5	25.821	287.297
139500	1	4	18.577	1.299.461
141900	1	5	71.406	269.157
143900	1	4	27.512	153.072
161000	1	12	88.785	1.426.879
162100	4	8	337.567	1.139.449
162200	1	1	44.936	44.936
162300	17	58	995.084	6.755.726
162400	1	9	20.198	696.953
171200	3	7	256.382	774.265
172100	3	18	126.224	5.041.930
172300	2	3	40.534	62.539
172900	7	25	408.160	2.074.394
181100	1	8	79.021	1.349.550
181200	18	75	806.924	4.957.091
181300	5	12	115.312	244.828
201300	1	3	44.236	353.104

201400	1	3	218.545	8.011.091
201600	1	4	28.296	399.510
204100	4	12	193.040	1.569.649
205900	1	17	24.161	20.445.944
211000	2	10	117.586	2.680.570
212000	1	17	8.332	83.350.793
221900	2	15	59.963	678.330
222100	8	34	728.674	7.963.072
222200	8	28	552.889	3.908.390
222300	4	15	199.567	1.545.209
222900	24	83	947.004	5.864.603
231200	2	10	68.296	540.005
231300	1	2	12.069	575.613
234400	1	1	17.335	17.335
236100	5	36	525.371	5.255.080
236300	2	11	96.934	2.667.421
237000	2	6	38.601	143.402
242000	1	10	11.294	2.113.311
245100	2	7	104.959	1.092.356
245300	2	9	40.832	529.510
251100	35	138	1.846.234	13.299.590
251200	4	15	168.653	1.339.950
252100	1	7	124.633	555.631
252900	1	16	40.457	579.564
255000	2	13	55.404	667.932
256100	2	62	82.534	2.660.310
256200	30	151	1.269.883	6.217.650
257200	2	11	97.612	1.221.024
257300	7	31	214.412	1.420.188
259300	1	10	113.322	1.112.070
259400	1	3	65.197	262.897
259900	36	121	1.265.376	6.918.452
261100	1	9	105.802	1.757.337
261200	3	12	171.760	692.998
262000	1	11	226.835	973.785
263000	4	20	265.201	2.509.690
264000	3	14	196.594	3.913.666
265100	10	64	431.619	12.680.964
266010	1	4	61.609	5.791.133
267000	1	6	24.435	887.346
271100	1	11	10.893	5.901.721
271200	10	46	638.087	3.883.519
273200	1	8	166.386	1.798.864

273300	2	8	90.955	1.896.167
274000	4	18	402.769	2.804.313
275200	2	3	262.638	429.375
279000	12	25	537.327	1.751.986
281110	2	40	54.950	65.739.003
281190	1	5	43.070	2.256.009
281200	2	20	59.493	3.716.709
281300	1	15	18.434	13.480.145
281400	2	15	335.408	10.984.066
281500	2	15	41.136	1.008.858
282100	3	16	200.889	1.364.096
282200	8	70	531.752	6.389.796
282400	1	1	32.584	32.584
282500	12	66	692.475	7.579.854
282900	8	59	310.551	6.215.919
283000	3	38	102.417	4.229.779
284100	1	11	23.391	1.160.285
289200	5	17	184.340	1.399.910
289300	8	53	308.101	8.201.365
289900	13	56	473.473	5.259.755
292000	3	25	206.853	1.707.151
293200	3	16	407.370	3.634.462
301100	1	7	29.826	1.933.260
303000	1	6	25.379	405.033
304000	1	2	43.940	98.159
309200	2	10	236.999	567.080
310100	4	36	121.406	2.205.246
310200	8	21	210.939	4.074.087
310900	27	62	1.441.343	5.628.025
321200	1	7	68.031	649.919
324000	4	9	201.795	27.688.817
325000	7	37	405.315	5.645.635
329100	1	4	22.754	354.099
331100	4	35	66.549	844.176
331500	1	22	37.732	2.183.341
332000	2	17	256.167	1.394.127

Annex 6.11: PRODCOM total turnover and VAT total sales on CN-codes

CN-code	PRODCOM total turnover, 1.000 DKK	VAT total sales, 1.000 DKK	Difference (VAT total sales-PRODCOM total turnover), 1.000 DKK	VAT total sales as a percentage of PRODCOM total turnover
2013000	188.181	189.257	1.076	100,6
2032110	37.953	37.644	-309	99,2
3044100	183.668	177.472	-6.196	96,6
7019090	50.842	60.723	9.881	119,4
7099990	148.451	146.917	-1.534	99,0
7119090	11.408	11.646	238	102,1
12122100	15.598	16.030	432	102,8
16010091	211.190	215.650	4.460	102,1
16010099	60.516	70.441	9.925	116,4
16022090	26.339	27.210	871	103,3
17049071	55.916	56.068	152	100,3
17049099	8.979	9.173	194	102,2
19019099	25.253	25.340	87	100,3
19053130	235.320	235.647	327	100,1
19059030	60.666	59.572	-1.094	98,2
19059060	106.551	114.114	7.563	107,1
20052020	31.893	31.894	1	100,0
21039090	21.697	20.947	-750	96,5
21050099	39.499	39.680	181	100,5
22029099	260.221	275.468	15.247	105,9
23091031	30.504	30.510	6	100,0
23099031	26.708	29.145	2.437	109,1
23099096	373.341	376.706	3.365	100,9
24021000	184.352	219.658	35.306	119,2
25171010	75.877	90.356	14.479	119,1
27090090	173.818	191.414	17.596	110,1
28391900	44.236	46.823	2.587	105,8
29225000	218.545	220.018	1.473	100,7
29343090	15.709	16.035	326	102,1
30019098	101.877	101.702	-175	99,8
30059010	8.332	8.351	19	100,2
32081090	67.150	59.725	-7.425	88,9
34012090	59.352	56.644	-2.708	95,4
34021200	48.869	50.955	2.086	104,3
34029090	84.819	82.318	-2.501	97,1
37051000	15.418	15.396	-22	99,9
38220000	24.161	26.352	2.191	109,1
38245010	96.934	102.265	5.331	105,5

39139000	28.296	23.495	-4.801	83,0
39173200	82.967	86.952	3.985	104,8
39174000	151.669	157.998	6.329	104,2
39191080	27.457	27.218	-239	99,1
39201025	185.839	189.180	3.341	101,8
39204390	249.713	262.315	12.602	105,0
39205990	31.749	31.747	-2	100,0
39211390	26.737	26.736	-1	100,0
39231000	66.950	77.095	10.145	115,2
39232100	24.814	24.562	-252	99,0
39233010	224.881	226.108	1.227	100,5
39239000	236.244	240.848	4.604	101,9
39252000	127.471	130.205	2.734	102,1
39259080	72.096	73.610	1.514	102,1
39261000	160.869	170.456	9.587	106,0
39269092	45.711	47.034	1.323	102,9
39269097	712.967	734.938	21.971	103,1
40161000	39.384	39.370	-14	100,0
40169997	20.579	19.613	-966	95,3
44091018	181.419	190.794	9.375	105,2
44101150	55.762	52.493	-3.269	94,1
44111490	88.785	105.545	16.760	118,9
44121000	15.353	15.752	399	102,6
44129940	19.475	20.024	549	102,8
44152020	20.198	18.539	-1.659	91,8
44181050	93.641	93.118	-523	99,4
44181090	20.725	19.214	-1.511	92,7
44182050	14.267	15.359	1.092	107,7
44182080	109.884	105.937	-3.947	96,4
44187200	44.936	44.729	-207	99,5
44189010	304.976	317.115	12.139	104,0
44189080	327.079	331.798	4.719	101,4
48024090	6.191	5.969	-222	96,4
48025400	224.554	242.752	18.198	108,1
48059200	25.637	25.772	135	100,5
48081000	27.171	27.602	431	101,6
48171000	40.534	40.453	-81	99,8
48192000	74.989	76.139	1.150	101,5
48194000	24.064	25.424	1.360	105,7
48211010	415.233	443.134	27.901	106,7
48239085	8.227	7.964	-263	96,8
49011000	18.000	20.785	2.785	115,5
49019900	162.869	176.299	13.430	108,2

49021000	79.021	79.047	26	100,0
49029000	39.910	32.132	-7.778	80,5
49111090	436.085	439.168	3.083	100,7
49119100	12.197	12.008	-189	98,5
49119900	126.379	127.569	1.190	100,9
56081120	25.821	28.028	2.207	108,5
61103099	27.512	32.927	5.415	119,7
61130090	71.406	61.336	-10.070	85,9
62105000	8.381	8.315	-66	99,2
63039290	28.350	31.677	3.327	111,7
63061200	56.348	54.381	-1.967	96,5
63061900	22.875	22.275	-600	97,4
63063000	73.021	72.886	-135	99,8
63071010	13.612	13.618	6	100,0
68029310	38.601	37.580	-1.021	97,4
68101900	13.116	13.879	763	105,8
68109100	512.255	523.423	11.168	102,2
70080089	56.099	44.998	-11.101	80,2
70131000	12.069	12.056	-13	99,9
71131900	68.031	61.955	-6.076	91,1
72124020	15.384	15.519	135	100,9
73041930	25.593	28.299	2.706	110,6
73072980	23.762	23.790	28	100,1
73089059	957.988	963.687	5.699	100,6
73089098	1.137.312	1.128.880	-8.432	99,3
73090059	40.457	41.629	1.172	102,9
73090090	142.024	136.981	-5.043	96,4
73202020	113.322	111.235	-2.087	98,2
73218900	82.196	83.581	1.385	101,7
73221900	124.633	124.234	-399	99,7
73251000	49.845	50.880	1.035	102,1
73259990	66.987	67.082	95	100,1
73269096	42.198	42.376	178	100,4
73269098	1.508.340	1.518.453	10.113	100,7
74153300	65.197	64.721	-476	99,3
74199100	21.554	22.672	1.118	105,2
74199990	30.625	30.703	78	100,3
76101000	168.653	164.977	-3.676	97,8
76109090	288.340	283.137	-5.203	98,2
76169910	58.462	58.268	-194	99,7
76169990	69.331	67.940	-1.391	98,0
79070000	34.475	39.855	5.380	115,6
82073010	13.732	14.071	339	102,5

83014090	21.001	21.772	771	103,7
83024190	76.611	76.042	-569	99,3
83079000	92.166	92.183	17	100,0
84099900	67.109	64.885	-2.224	96,7
84122180	35.454	36.819	1.365	103,9
84145980	123.284	124.526	1.242	101,0
84149000	63.870	64.409	539	100,8
84158300	51.250	51.719	469	100,9
84159000	24.910	23.507	-1.403	94,4
84163000	18.534	16.187	-2.347	87,3
84169000	100.159	102.540	2.381	102,4
84186900	327.593	327.146	-447	99,9
84191900	262.638	265.135	2.497	101,0
84198998	147.270	151.984	4.714	103,2
84212100	38.795	38.835	40	100,1
84212300	17.335	17.328	-7	100,0
84213920	120.002	123.285	3.283	102,7
84219900	101.455	105.283	3.828	103,8
84223000	112.896	114.499	1.603	101,4
84239000	20.729	20.935	206	101,0
84242000	30.229	29.680	-549	98,2
84249000	27.356	27.359	3	100,0
84281020	21.169	21.442	273	101,3
84283300	300.787	310.192	9.405	103,1
84289090	57.506	57.913	407	100,7
84313900	124.548	125.852	1.304	101,0
84314300	15.596	15.158	-438	97,2
84314920	70.998	65.477	-5.521	92,2
84314980	20.272	21.216	944	104,7
84329000	77.144	77.693	549	100,7
84378000	36.684	37.116	432	101,2
84379000	5.917	5.853	-64	98,9
84381010	44.214	44.309	95	100,2
84388099	62.593	55.703	-6.890	89,0
84389000	192.725	204.591	11.866	106,2
84425020	89.750	92.322	2.572	102,9
84425080	10.144	10.131	-13	99,9
84439191	93.775	100.949	7.174	107,7
84439199	10.493	8.892	-1.601	84,7
84669330	43.043	41.804	-1.239	97,1
84669400	23.391	24.197	806	103,4
84678900	32.584	33.151	567	101,7
84733020	153.676	158.431	4.755	103,1

84733080	226.835	227.635	800	100,4
84749090	16.006	18.626	2.620	116,4
84791000	170.365	168.950	-1.415	99,2
84795000	27.742	24.502	-3.240	88,3
84798997	92.428	89.593	-2.835	96,9
84799020	108.750	106.582	-2.168	98,0
84799080	95.695	93.790	-1.905	98,0
84803090	12.734	12.106	-628	95,1
84807100	131.189	127.060	-4.129	96,9
84807900	69.491	68.016	-1.475	97,9
84818011	262.829	263.812	983	100,4
84818099	72.579	71.720	-859	98,8
84833038	23.733	23.848	115	100,5
84834021	17.403	17.782	379	102,2
84862090	164.192	173.058	8.866	105,4
85013200	10.893	10.201	-692	93,6
85030099	14.631	14.874	243	101,7
85153100	37.554	37.529	-25	99,9
85176200	127.937	133.569	5.632	104,4
85177090	51.323	51.701	378	100,7
85182100	153.780	178.772	24.992	116,3
85189000	12.826	12.972	146	101,1
85256000	85.941	87.564	1.623	101,9
85286910	29.988	31.602	1.614	105,4
85308000	125.532	134.501	8.969	107,1
85340011	18.084	18.193	109	100,6
85365080	52.456	52.679	223	100,4
85366990	38.499	39.666	1.167	103,0
85371010	248.532	244.520	-4.012	98,4
85371091	16.402	15.358	-1.044	93,6
85372091	264.907	272.854	7.947	103,0
85389011	54.668	54.183	-485	99,1
85389091	53.578	51.875	-1.703	96,8
85393110	99.925	99.574	-351	99,6
85419000	105.802	106.968	1.166	101,1
85437090	136.033	137.900	1.867	101,4
85439000	169.200	164.333	-4.867	97,1
85444995	166.386	166.285	-101	99,9
85489090	69.008	68.253	-755	98,9
87079090	99.011	101.483	2.472	102,5
87082990	18.577	20.682	2.105	111,3
87083091	265.207	280.976	15.769	105,9
87084099	119.039	121.549	2.510	102,1

87089997	23.124	23.134	10	100,0
87100000	43.940	42.797	-1.143	97,4
87142000	201.320	239.216	37.896	118,8
87150010	35.679	32.797	-2.882	91,9
87163100	107.842	107.375	-467	99,6
88033000	25.379	26.434	1.055	104,2
90022000	24.435	24.439	4	100,0
90151010	78.058	78.977	919	101,2
90181910	113.782	114.367	585	100,5
90189084	143.356	136.388	-6.968	95,1
90211010	49.570	48.557	-1.013	98,0
90219010	61.609	58.711	-2.898	95,3
90268020	26.362	26.295	-67	99,7
90271010	42.859	42.892	33	100,1
90314990	54.320	54.466	146	100,3
90318034	17.672	17.653	-19	99,9
90318038	106.996	107.251	255	100,2
90328900	40.957	41.356	399	101,0
90330000	64.395	66.264	1.869	102,9
94014000	113.742	107.061	-6.681	94,1
94016100	132.306	138.485	6.179	104,7
94016900	16.151	12.960	-3.191	80,2
94019030	228.323	251.367	23.044	110,1
94029000	98.607	98.863	256	100,3
94031058	74.990	76.450	1.460	101,9
94032080	53.051	50.890	-2.161	95,9
94034010	166.673	173.121	6.448	103,9
94034090	17.403	15.563	-1.840	89,4
94035000	171.868	172.056	188	100,1
94036010	326.628	315.096	-11.532	96,5
94036030	30.662	30.978	316	101,0
94036090	58.285	57.250	-1.035	98,2
94039030	343.046	334.495	-8.551	97,5
94051098	267.279	239.890	-27.389	89,8
94054091	13.740	14.291	551	104,0
94059900	21.825	20.789	-1.036	95,3
94060020	230.630	247.699	17.069	107,4
94060038	42.101	42.981	880	102,1
95030030	21.262	20.551	-711	96,7
95030095	136.207	138.342	2.135	101,6
95069990	44.326	43.360	-966	97,8
96035000	22.754	20.744	-2.010	91,2