

# Response Burden I: What is burden and why should we care?



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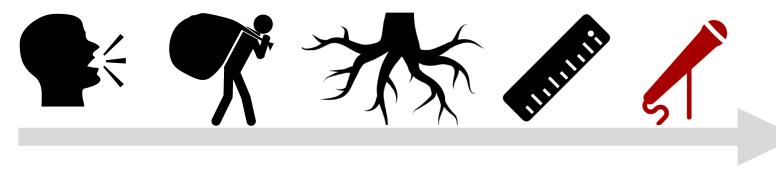
"In most countries in which a national statistical agency carries out periodically recurring economic surveys, businesses and institutions are said to be becoming increasingly restive under the growing burden of response."

(XYZ, YEAR)



### Outline





16:30 Break 18:00



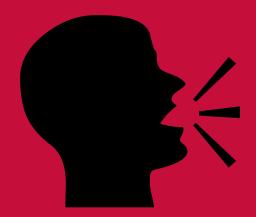






# Why do businesses complain about official surveys?





### A different working environment



Business working time ... more precious:



Global competition



Pressures on productivity





Elimination of any "waste" activity



### Complete a survey?

Really?!?











### Businesses question the need to provide data





Growing demand for data



Alternative data sources







Survey usefulness?!?



# What is response burden (RB) and why should we care?





### The burden concept





Time needed for a response

**Actual RB** 



Costs of responding







### The burden concept





© Feeling related to response

**Perceived RB** 



**Time Burden** 









### So what?





#### Political reasons

- part of administrative burden
- unproductive engagement of resources
- total actual RB at the national level



### Methodological reasons

- potentially problematic survey behaviour
- actual and perceived RB at the survey level



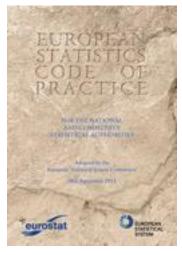


### Strategic reasons

- business community as a key stakeholder
- RB at the organisational level

### European Statistics Code of Practice





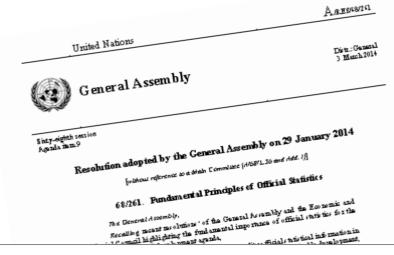
Principle 9: Non-Excessive Burden on Respondents

The reporting burden is **proportionate to the needs** of the users and is **not excessive** for respondents. The statistical authorities **monitor** the response burden and set **targets for its reduction** over time.



### UN Fundamental Principles of Official Statistics





**Principle 5.** Data for statistical purposes may be drawn from all types of sources, be they statistical surveys or administrative records. Statistical agencies are to choose the source with regard to quality, timeliness, costs and the burden on respondents.













# What are root causes of business burden and complaints?





Created by Guilhem from Noun Project



Do you ever count stairs when you walk?

- Yes
- $\bigcirc$  No

How many messages did you receive yesterday?





### Survey questionnaire: business vs. individual



| G Spe         | cificaties bedrijfsopbrengsten  | bedragen in 1000 euro |
|---------------|---|-----------------------|
|               | Netto omzet uit de hoofdactiviteit van de onderneming naar artikelgroepen |                       |
| << G.1        | Detailhandel in:  |                       |
| -             | Kruidenierswaren  | 4518 40               |
| _             | Zuivel en eleven  | 50                    |
| -             | Kaas  | 010 30                |
| <u>~</u>      | Aardappelen, groenten en fruit  | 770 70                |
|               | -Wild en gevogelte  | 10                    |
| ~             | Vlees   | UZI 05                |
| _             | Vleeswaren en salades   | 643 60                |
| -             | Vis, schaal- en schelpdieren  | 34 32                 |
| -             | Brood en gebak  | 157 13                |
|               | Chocolade, suikerwark, snoepged e.d. Clupsill                             | 3/2 300               |
|               | Maa <del>ltijden</del>  |                       |
|               | Dierenvoeding   |                       |
|               | Alcoholtroudende dranken  |                       |
|               | Alceholvrije dranken  |                       |
| $\overline{}$ | Tabaksproducten en rokersbenodigdheden                                    | 075                   |
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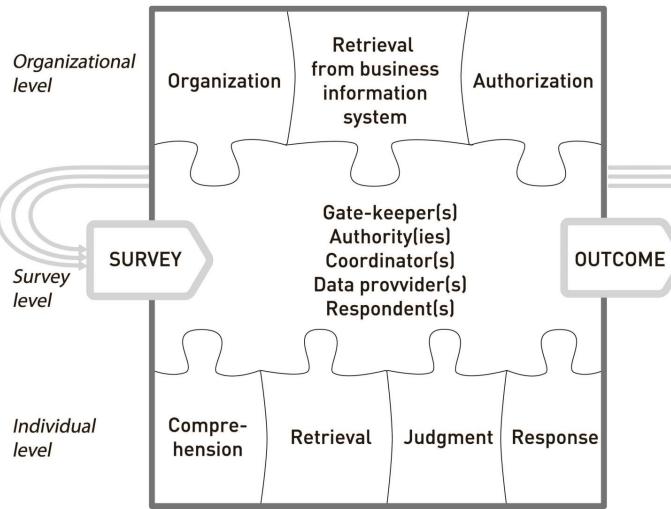




### Business survey response model





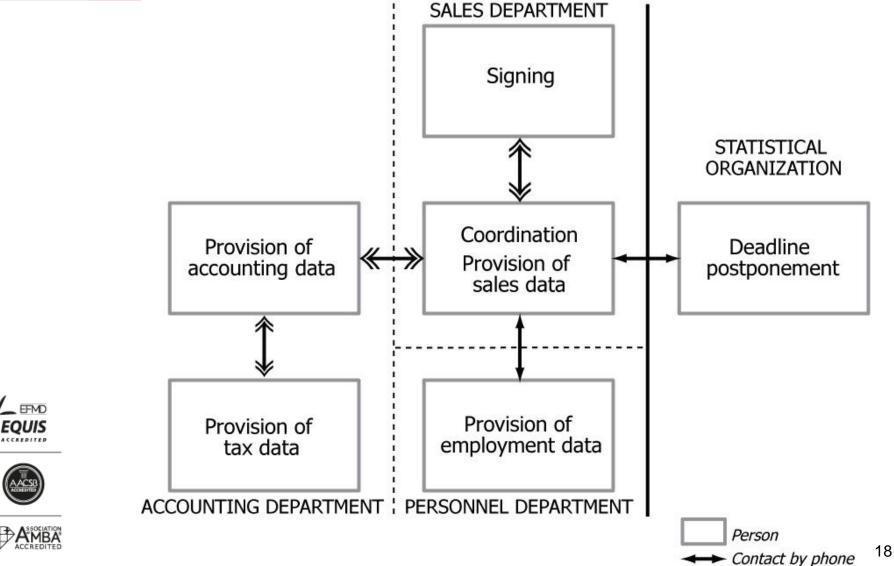




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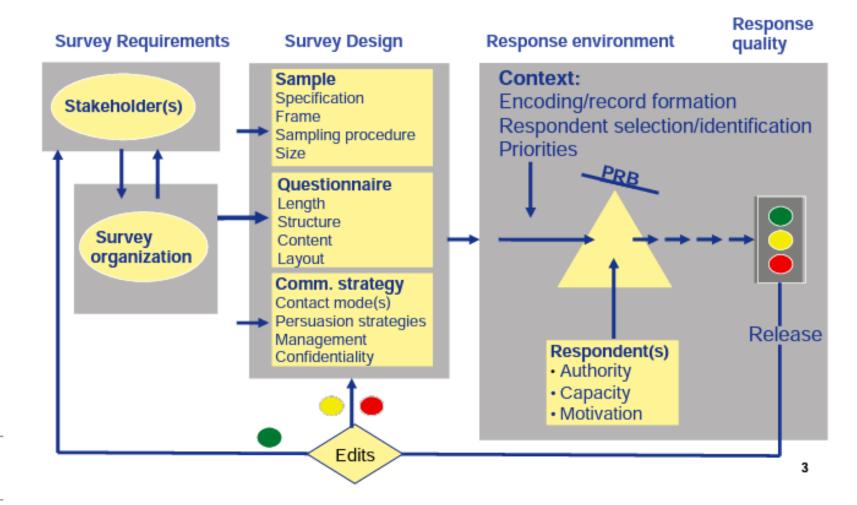


Questionnaire's transfer



### Total business survey burden model











# How to measure response burden (RB)?





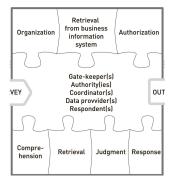
Created by Stefan Brechbühl from Noun Project

### The concept operationalization



Gate-keeper(s)
Authority(ies)
Coordinator(s)
Data provvider(s)
Respondent(s)

Whose tasks in the response process?



Which tasks of the response process?

- activities beyond questionnaire's completion
- initial one-off activities
- nonresponse activities & non-response





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What about benefits of responding?



### The concept operationalization: Willeboordse



Willeboordse (1997) distinguishes 4 RB dimensions:

- Objective (=actual) vs. Subjective (=perceived)
- Gross vs. Net
- Minimalistic vs. Maximalistic
- Imposed vs. Accepted





### The concept operationalization: Standard Cost Model



Burden: actual RB expressed as costs

#### Tasks:

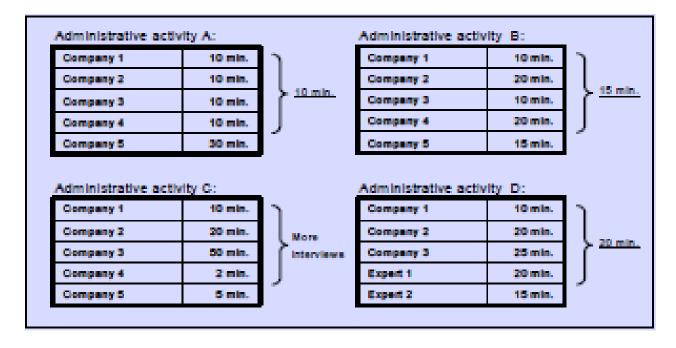
- list of 16 activities
- initial one-off activities
- full vs. actual compliance



### The concept operationalization: Standard Cost Model



Figure 5: Identifying the normally efficient business







### Collection of burden data



#### Source of data:

- survey participants
- experts (in-house, business associations)

#### Timing and mode:

- as part of the survey
- separately, after the survey

#### Coverage:

- all surveyed units
- a representative subsample
- a qualitative subsample

#### Frequency



### Actual RB calculation





Time:

R \* T

€ \$ £

Costs:

R \* T \* C





R = number of respondents

T = (average) time spent

C = (average) hourly cost of respondent time



### How do NSIs measure burden?

**BLUE-ETS** survey

Team lead by Deirdre Giesen (Statistics Netherlands).

Survey completed in 2011.

Response from 41 out of 45 NSIs in 39 out of 43 countries.

Survey topics: burden measurement and reduction practices.







#### Concept measured

actual RB34 NSIs

perceived RB12 NSIs

#### Indicator of actual RB:

- time burden 16 NSIs

- time + money 16 NSIs

#### Treatment of nonresponding units:

- imposed 13 NSIs

- accepted 11 NSIs

#### Source of data:

survey participants29 NSIs

- experts 25 NSIs

#### Coverage (&timing):

all surveyed units21 NSIs

a representative subsample
 14 NSIs

a qualitative subsample13 NSIs





### Inconsistent inclusion of tasks



| Tasks explicitly included in actual RB                                   | Yes | No | Don't<br>know |
|--|-----|----|---------------|
| Filling in the questionnaire.  | 31  | 1  | 1             |
| Retrieving, collecting, and compiling the information requested.         | 28  | 4  | 1             |
| Reading questions and instructions.                                      | 25  | 6  | 2             |
| Administrative tasks (e.g., coordination) involved in survey completion. | 18  | 10 | 5             |
| Record formation specifically done for reporting obligations.            | 16  | 12 | 5             |
| Recontacts with businesses about the data provided.                      | 13  | 16 | 4             |
| Other sources of response burden.  | 3   | 18 | 12            |





### Questions on actual RB





- How much time did you spend collecting relevant information before the questionnaire could be completed?
- \_\_\_ hours \_\_\_ minutes
- How much time did you spend completing the questionnaire?
- Did other people help ... ?
   How many ... ?
   How much time ...?

Check the complete version!





Other questions

### Two main questions on perceived RB



Did you think it was quick or time-consuming to collect information to complete the questionnaire?

very quick quite quick neither/nor quite time-consuming very time-consuming



Did you find it easy or burdensome to fill in the questionnaire?

very easy quite easy neither/nor very burdensome



quite burdensome

31

### Explanatory questions on perceived RB



 Why did you find it time-consuming? information from different sources help from others wait for information other

Check the complete version!

 What conditions contributed to making the questionnaire burdensome to fill in?

too many questions

messy layout

unclear terms

complicated or lengthy calculations

information mismatch

response alternatives

other





Source: Dale & Haraldsen, 2007

### Questions on perceived benefits / motivation





 Do you consider the statistics from this questionnaire are useful or useless for your business?

very useful

fairly useful

neither/nor

fairly useless

very useless

 Do you consider the statistics from this questionnaire are useful or useless for society?

very useful

fairly useful

neither/nor

fairly useless

very useless





Source: Dale & Haraldsen, 2007; Haraldsen et al., 2013

### Further reading

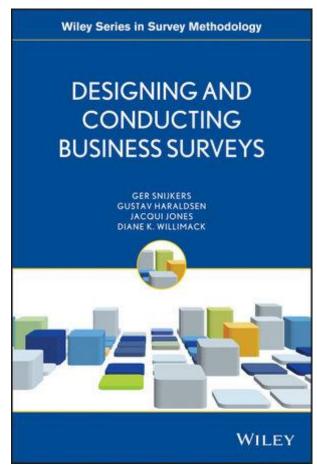






Handbook for Monitoring and Evaluating Business Survey Response Burdens















### Gustav Haraldsen Statistics Norway





Created by Giuditta Valentina Gentile from Noun Project

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