

# ***Triple-S conference: What Now? – 21<sup>st</sup> September 2011***

Help – I've lost my grid! How to improve Triple-S  
XML:  
a Confirmit approach.

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# DP nightmares

I'm behind with my data delivery already, and now I have to check all column positions.

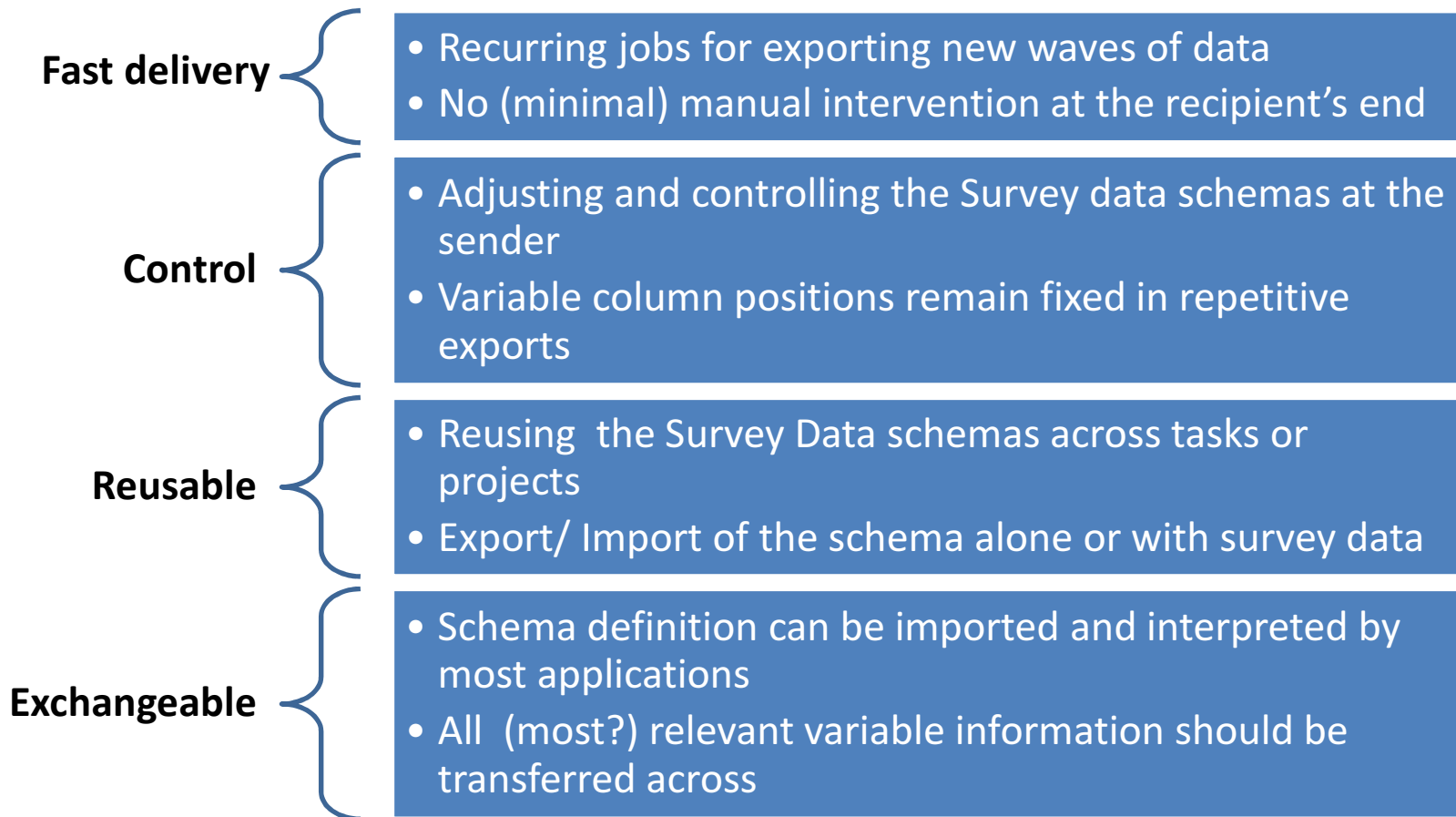
What Reporting tool are they using? And it supports only this format? How am I supposed to bring data across?

Great, study is already live without telling me that they changed the answer lists again. This will mess up my data!

I delivered the data on time so why are they moaning? Where are the grids, why are they now single variables?

# What's the remedy?

## Flexible solution



# One remedy for everything

## Internal workflow

- Authoring => Reportal
- Authoring => Data Processing / Data Central => Reportal

## External workflow

- Authoring => Other Reporting tools
- Authoring => Other Data Processing tools
- Other Data Collection tools => Reportal

# Triple-S XML – the magic brew?



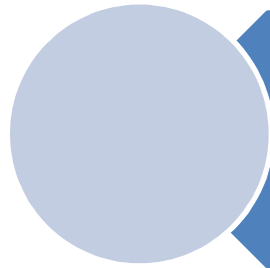
Adopted by more than 50 companies according to the website

Purpose is describing survey metadata – that is, data about the survey data: question and response texts, the location of individual data items within the record, valid ranges for response

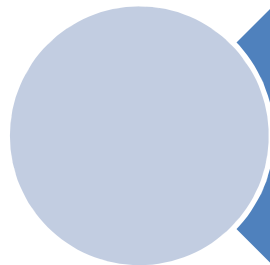


Comes with a set of defined element and attributes

# Triple-S XML – the magic “brew”?



Survey data schema can be stored separate from the survey logic



Schema representation can be used for our internal and external workflows



Survey Template editor for defining export layouts based on Triple-S XML

# Template editor

The screenshot shows the 'Template Editor' interface. At the top, it says 'You are editing Template 'template' (200)'. The user is identified as 'User: ProS, Margarita'. The interface includes a menu bar with options like 'Home', 'Survey Data', 'Exports', 'Imports', 'Templates', 'Edit', 'Clear Data', and 'Coding'. Below the menu bar is a toolbar with buttons for 'Save', 'Save as', 'Flatten', 'Level: responseid - Demo proj', 'Undo', 'Available variables', and 'Update from project'. The main area is titled 'Selected variables' and contains a table with columns: Number, Name, Label, Type, Start, Finish, Length, and Fix by. The table has 5 rows of data, with the 4th row highlighted in blue.

Number	Name	Label	Type	Start	Finish	Length	Fix by
1	responseid	responseid	quantity	1	8	8	Position
2	q2	Please enter your name	character	93	142	50	Position
3	gender	Please specify your gender.	single	143	143	1	Position
4	q9	Please enter your annual salary:	quantity	145	153	9	Position
5	q5	Which cars have you test driven?	multiple	154	252	99	Position

# Triple-S XML extension

**Export**

Project ID: p0145020

Active Database: Production

Format: Excel File

- Excel File
- Excel File (Answer Codes as Labels)
- Delimited Text File
- Delimited Text File (Answer Codes as Labels)
- Triple-S XML (Standard)
- Confirm Extended Triple-S XML**
- SPSS File (sps/dat)
- SPSS File (sav)
- Quantum File
- SAS File
- Fixed Width File (schema/data)

Filter: Interview Status Filter

Error

All (unfiltered)

Expression:

Relative Date Filter:

Fixed Date Filter:

Start Date:  End Date:

Data to be included: All Data (Only applies to recurring tasks)



# Triple-S XML extension

## Triple-S XML standard

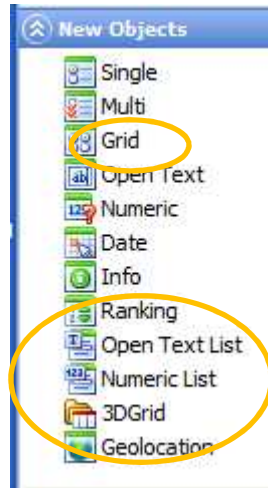
```
- <variable ident="12" type="single">
  <name>q1</name>
  <label>question text</label>
  <position start="93" finish="93" />
  - <values>
    <value code="1">answer 1</value>
    <value code="2">answer 2</value>
  </values>
</variable>
```

## Triple-S XML extended

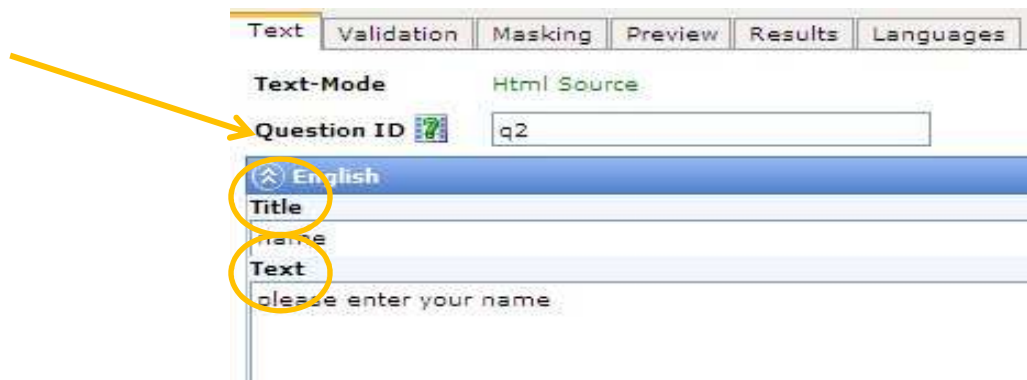
```
- <variable ident="12" type="single" confirmit:formname="q1" confirmit:formlabel="question text" confirmit:formtype="single" confirmit:source="p1199015">
  <name>q1</name>
  <label>question text</label>
  <position start="93" finish="93" />
  - <values>
    <value code="1">answer 1</value>
    <value code="2">answer 2</value>
  </values>
</variable>
```

# Triple-S XML extension

Project: proj A (p0483139)



<http://www.triple-s.org>  
SINGLE/ MULTI/ CHARACTER/  
QUANTITY/ LOGICAL/ DATE /  
TIME



# Triple-S XML extension

confirmit:source="p0483139"

confirmit:formname="q2"

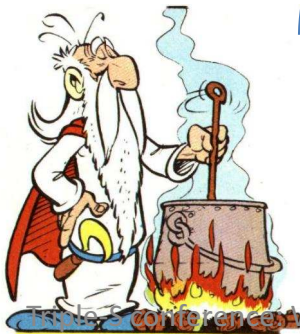
confirmit:formlabel="Please enter your name?"

confirmit:formtype="ranking"

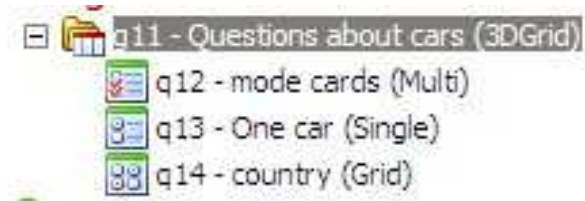
confirmit:formtype="numericlist"

confirmit:formtype="opentextlist"

confirmit:formtype="grid"



# Triple-S XML extension



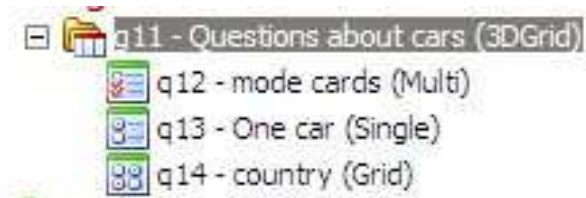
**Questions about cars**

	If you test drive several carsm which would that be?	If you could test only one car ...	What country was the car made in?					
			UK	US	Italy	Germany	Norway	
Lamborghini	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Rolls Royce	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Bentley	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Porsche	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

# Triple-S XML extension

```
<variable ident="61" type="single" confirmit:formname="q13"  
|confirmit:formlabel="If you could test only one car ..." confirmit:formtype="single"  
confirmit:parentname="g11" confirmit:parentlabel="Question about different cars"  
confirmit:parenttype="3Dgrid" confirmit:source="p377853986">  
  <name>q13</name>  
  <label>If you could test only one car ...</label>  
  <position start="563" finish="563" />  
  = <values>  
    <value code="1">Lamborghini</value>  
    <value code="2">Rolls Royce</value>  
    <value code="3">Bentley</value>  
    <value code="4">Porsche</value>  
  </values>  
</variable>
```

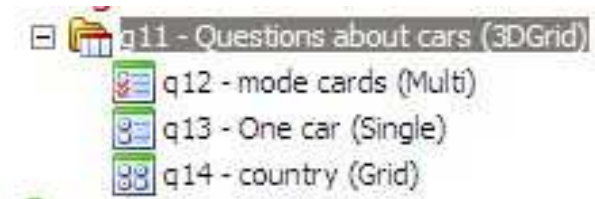
## 3-D Grid identification



# Triple-S XML extension

confirmit:parentname="g11"  
confirmit:parentlabel="Question text"  
confirmit:parenttype="3Dgrid"



## 3-D Grid identification



# Triple-S XML extension

English	Code	S
GMC		2
Cardillac		3
Volvo		5
BMW		6
Toyota		8
Honda		9
Other		98
Not tested car		99



 q4 - title (Multi)  
 q4\_98\_other (Open)

Codes in new question types



English	Code	S
brand 1		1
brand 2		2
brand 3		3

Literal codes in Multi questions

English	Code	S
brand 1	b1	
brand 2	b2	
brand 3	b3	

# Triple-S XML extensions

confirmit:other="true"

confirmit:precode="98"

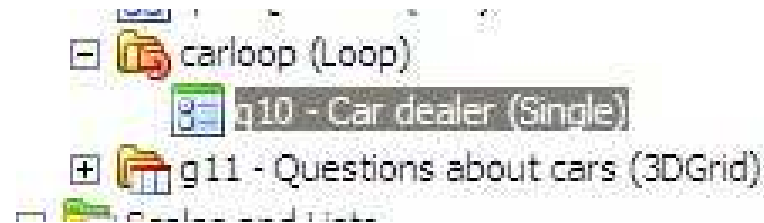
```
- <values>  
  <value code="1"  
    confirmit:precode="b1">brand 1</value>  
  <value code="2"  
    confirmit:precode="b2">brand 2</value>  
  <value code="3"  
    confirmit:precode="b3">brand 3</value>  
</values>
```





# Triple-S XML extensions

## Loops exported as single files (flatten)



```
<variable ident="68" type="single" confirmit:formname="q10"  
confirmit:formlabel="At which car dealer did you test ^f('carloop')^ ?"  
confirmit:formtype="single" confirmit:source="p377853986"  
confirmit:loopid="carloop" confirmit:loopiterationid="3">  
  <name>q10_3</name>
```

# Triple-S XML extensions

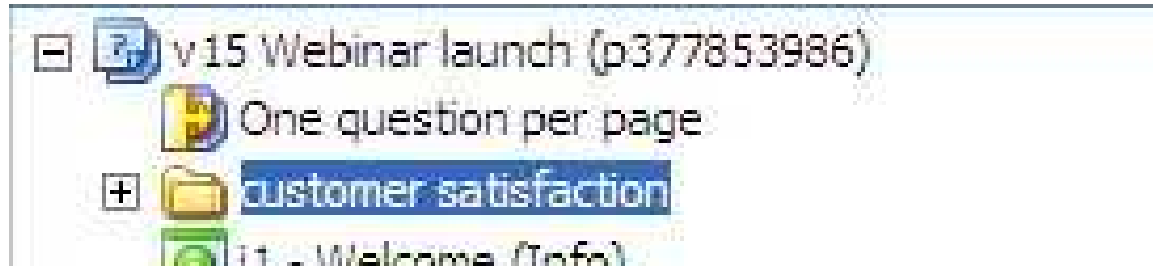
The screenshot shows a software interface for creating questionnaires. On the left is a 'Questionnaire Tree' with a folder 'check (p3518245)' containing a question 'q21a (Single)'. The central workspace has a table with columns: English, Code, Score, RdgSingle%, ColWidth, BgColor, Style, and Exclu. The table contains two rows: 'a1' with a score of 1, and 'a2' with a score of 2. Below the table are buttons: 'Add', 'Add Predefined', 'Add Loop Reference', 'Add Group Heading', 'Add Group End', 'Clear', 'Delete rows', and 'Save'. On the right is a 'Properties' panel for 'Single Question - (q21a)'. It has tabs for 'General' and 'Advanced WI Features'. The 'General' tab is active, showing various settings like 'List rows', 'List columns', 'Field width', 'Other box rows', 'Opentext coding', 'Other box columns', 'Drop down', 'Indexed', 'Answers' (set to 'Normal answerlist'), 'Answer list display order' (set to 'In order'), 'Group display order' (set to 'In order'), 'Variable type' (set to 'Normal'), 'Question Skin', 'Boolean', 'Not required', 'Read only', and 'Question category' (set to 'Rating1'). A red arrow points from the text below to the 'Question category' field.

English	Code	Score	RdgSingle%	ColWidth	BgColor	Style	Exclu
a1		1					
a2		2					

Single Question - (q21a)	
General	Advanced WI Features
List rows	<input type="text"/>
List columns	<input type="text"/>
Field width	<input type="text"/>
Other box rows	<input type="text"/>
Opentext coding	<input type="checkbox"/>
Other box columns	<input type="text"/>
Drop down	<input type="checkbox"/>
Indexed	<input type="checkbox"/>
Answers	Normal answerlist
Answer list display order	In order
Group display order	In order
Variable type	Normal
Question Skin	<input type="text"/>
Boolean	<input type="checkbox"/>
Not required	<input type="checkbox"/>
Read only	<input type="checkbox"/>
Question category	Rating1

confirmit:questioncategory="Rating1"

# Triple – S XML extensions



**Cars**

Please Rank the following cars

	Good	Average	Bad
Saab	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fiat	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Peugeot	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>German</b>			
BMW	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mercedes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Audi	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>Japanese</b>			
Toyota	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mazda	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



(Help on Precodes)

Answers		
	Precode	Weight
English		
car brands		
Other	98	
Not tested car	99	



# Triple – S XML extensions

Support of Variable Type “DateTime”

Support of more than 1 weight variable

Ability to have multiple linkvars (multiple keys) instead of just one primary key in hierarchical data:

Split of multiple questions on different positions



# What Now?

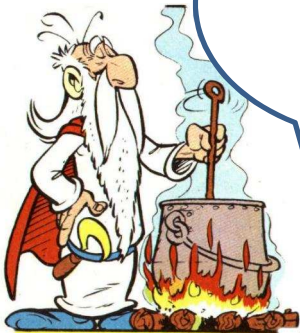
?

Incorporate some of the concepts we needed extensions for in the Triple- S XML standard?

?

Define a standard way of adding extensions?

?



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XML:  
a Confirmit approach.

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