

# **Reportnet 3 Webforms HowTo**

Version 1.6 (19-01-2021)

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# **1** Dataflow in design phase

# **1.1** Dataset schema design

### 1.1.1 JSON file configuration

The initial configuration of our webform is specified in a json file. In this file you will see the scheme that will be configured in the webform referring to the different tables and fields. It also includes labels that are shown in the webform, such as tooltips or descriptions, and some extra properties as references to other tables or other fields, which we will have to take into account for their correct operation.

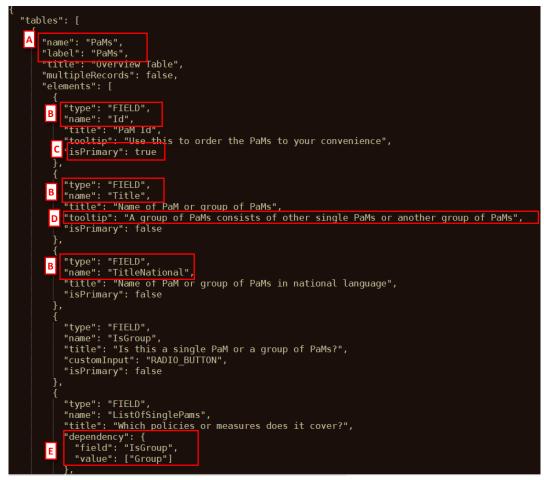


Figure 1 JSON detail for PaMs

As we can see in the Figure 1, in this Json file we would have the **name** of the table to create [A], the **fields** [B] to include on this table, if this field is marked as **primary key** or not [C], the **tooltip** [D] that we are going to see with a brief, informative message that appears when a user through a mouse-hover gesture on the field, if we have some **dependency** [F] which performs different actions such as, for example, hide a field based on another attribute and its value, etc..



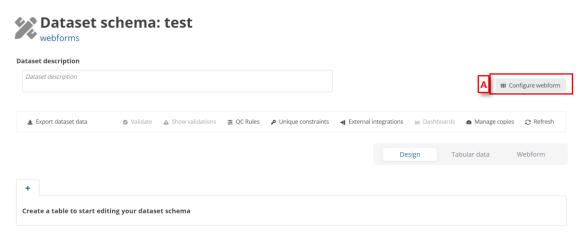
Json file to configure webform - *National climate change adaptation planning and strategies* – Governance Regulation Art. 19



Json file to configure webform - *National greenhouse gas policies and measures* – Governance Regulation Art. 13



# **1.1.2** How to configure a Webform – National climate change adaptation planning and strategies



#### Figure 1 Configure webform

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澿	Reportnet 3.0 > 🐐 Dataflows > 📮 Dataflow > 🛠 Dataset designer		testcustodian testcustodian	ወ
<b>☆</b> ⊖ ↓	Dataset schema: test WebForm Test			
ტ ჯ	Dataset description           & Export dataset data	C Same x Cancel Design Tabular data		
	+ Create a table to start editing your dataset schema			

Figure 2 Create Governance Regulation Art. 19



- [A] The 'Configure webform' button pops up a new dialogue with a dropdown [B]: first option (default) 'No webform' and the rest options will be the specific webforms developed in the system.
- [C] You can add a new webform by clicking 'Save' when you have selected the webform needed.

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攀	Reportnet 3.0 > 🏶 Dataflows > 💭 Dataflow > 🗶 Dataset designer				٢	testcustodian testcustodian	ტ
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	▲ Export dataset data	⊘ Validate ▲ Show validations # QC Rules	P Unique constraints 4 External inte	grations in Dash	boards 🛛 🖨 Manage co	pies 🛛 Refresh	
				Design	Tabular data	Webform	
B	General information i National circumstances i Legal and policies	${\bf i}$ . Strategies and plans ${\bf  i}$ . Monitoring and evaluation	on <b>i</b> Cooperation and experience <b>i</b>	Contact i			
c	General information The table General_Information is not created in the design, please check it						

Figure 3 Configure webform Governance Regulation Art. 19

- [A] The 'Webform' tab shows the tables and fields you need to complete, in this case, for Governance Regulation Art.19 webform.
- [B] [C]– You can see messages for the tables or fields which are configured in the webform but not created in the model.

To see the fields, you need to create to complete the webform, you must add a table to dataset. In that case, you will have a guide to continue configuring the webform.

Dataset description								
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Table description		nderArt19		<del>ription</del> (UnderArt19		В	Fixed numbe	Prefilled er of records

Figure 4 Adding tables and fields



neral_information × +			
Table description			
			Read only table
Table description		Add unique constraint	Prefilled 🔽
		幸 Add row constraint	Fixed number of records 🔽
			Mandatory table 🗹
▲ Import table data ▲ Export table data	a 🔒 Delete table data 🛛 🗇 Show/Hide col	umns 🍸 Validation filter	
★ Import table data ★ Export table data Actions	a 🔒 Delete table data 🛷 Show/Hide col Validations	umns 🛛 🝸 Validation filter ReportingUng	JerArt19 🔁 🗢
	_		lerArt19 <sup>1</sup> 🗘
Actions	Validations		JerArt19 <sup>€</sup> ≑ Total: 1 recor

#### Figure 5 Adding records

- [A] Add table to dataset with name required on the webform selected.
- [B] You must mark 'Fixed number of records'.
- [C] Add field to table with name required on the webform selected.
- [D] Add some record to continue configuring the webform.

When we click on the 'Webform' tab we will see the information messages:

	Design	Tabular data	Webform
General information i         National circumstances i         Legal and policies i         Strategies and plans i         Monitori           Contact i         I	ng and evaluation $i$	Cooperation and experi	ence i
General information			
A       EU Member State / EEA member country         O The field EuMemberState is not created in the design, please check it			
The information in this reporting is updated until (date: YYYY-MM-DD format):  The field UpdateDate is not created in the design, please check it			
Is this reporting the mandatory reporting under Art. 19 and Part 1 of Annex VIII of the Governance Regulation and Implementing Act?	Annex 1 of the		
1			

#### Figure 6 Information messages

• [A] – The messages that appear inform about the fields which are configured in the webform but have not been created in the model.



	Meteorological Observations	+ Add record	
τ	The table Meteorological_Observations is not created in the design, please check it		

#### Figure 7 Table information

🛓 Export dataset data	Validate A Show va	lidations 🚓 QC Rules 👂 Unique con	istraints 🗃 External integrations 😐 Das	hboards 🛛 💩 Manage copies 📿 Refresh
			Design	Tabular data Webform
General_information × Na	tional_circumstanc B Met	eorological_Observations × +		
Table description				Read only table
Table description			Add unique constraint	Prefilled 🗹
			幸 Add row constraint	Fixed number of records 🗹
				Mandatory table 🗹
PK <sup>1</sup> Required Rea	d only Field name	Field description	Field type	
	Field name	6 Field description	Field type	0 🗸

#### Figure 8 Required table

Meteorological Observations C + Add record
--

#### Figure 9 Add record to table

Aeteorological Observations	+ Add record
Name of the Met Office	
O The field Name is not created in the design, please check it	
Status of the Met Office	
• The field Status is not created in the design, please check it	
Web link to the Met Office	
The field WebLink is not created in the design, please check it	

#### Figure 10 Fields to create

Moreover, there are tables that contain subtables [A], and when you create this table with the name defined [B] and click on 'Add record' [C], it automatically informs you about the fields you must create [D] to continue configuring the webform.



eteorological Observations	В	+ Add record
Name of the Met Office		
test		
status of the Met Office		
• The field Status is not created in the design, please check it		
Veb link to the Met Office		
• The field WebLink is not created in the design, please check it		

#### Figure 11 Adding record

								Design	Tabular data	Webform
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									Mandato	ory table 🗹
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						_	test			
		И	<b>€</b> 1 →	М 10	~					Total: 1 reco
+ Add record										Paste record

Figure 12 Table information

If in Design View you add the field 'Name' and in 'Webform' view [A] you add records on your table [B], then in 'Tabular Data' view you will see the record added [C].

# **1.1.3** How to configure a Webform – National greenhouse gas policies and measures

aset description								
ataset description							B 🖽 Con	figure webfor
Export dataset data	🛛 Validate	A Show validations	幸 QC Rules	₽ Unique constraints	♣ External integrations	😐 Dashboards	Manage copies	C Refresh
							Design Ta	bular data

#### Figure 13 Configure webform



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	European Union								
澿	Reportnet 3.0 > 😤 Dataflows	🕻 💭 Dataflow > 🗶 Data	set designer					testcustodian testcustodian	ტ
<b>*</b> 0 7	WebForm Test	schema: tes	t						
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								r data Webform	
	Webform for report		se gas policies and m	easures under the O	overnance Regul	ation (EU201	8/1999)		
	PaMs	Table_1	III Table_2	Table_3					
	<ul> <li>Id</li> <li>IsGroup</li> <li>ShortDescription</li> <li>Title</li> </ul>	∘ Fk_PaMs	∘ Fk_PaMs	∘ Fk_PaMs					

Figure 14 Create Governance Regulation Art. 13

- [A] The 'Configure webform' button pops up a new dialogue with a dropdown [B]: first option (default) 'No webform' and the rest options will be the specific webforms developed in the system.
- To select the PaM webform you need to select the 'Governance Regulation Art. 13' from the dropdown.
- [C] You can add the new webform by clicking 'Save' when you have selected the webform needed.

ataset description								
Dataset description								Configure webfor
🛓 Export dataset data			🛛 Validate 🛛 🛦 Show vali	dations 🚔 QC Rules	Unique constraints	+ External integrations	Dashboards 🛛 🖨 Manage	copies 📿 Refrest
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		• •	nd measures une	der the Gover	nance Regulati		Tabular data	Webform

Figure 15 Tables and main fields

The first time we access to PaMs webform, the main tables and basic fields [A] that we must create will appear to continue configuring the webform

European Environment Agency



Dataset schema: test			
Dataset description			
Dataset description			B Configure webform
🛓 Export dataset data	Validate A Show validations	호 호 QC Rules 🛛 👂 Unique constraints	- H External integrations 🛛 🔤 Dashboards 🌑 Manage copies 📿 Refresh
Webform for reporting on greenhouse gas	policies and measures under	the Governance Regulati	Design Tabular data Webform ion (EU2018/1999)
Single:			+ Add
Group:			+ Add
	Empt	y table	
There is no data to show			



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Figure 17 Tables and fields required

To start configuring the webform from PaM [A], you must add a PAMs table and Table\_1, Table\_2 and Table\_3 and their subtables to dataset [B]. Moreover, you must create in *PaMs* table an Id field [C], marked as a PK.



					D	Design Tabular data Webfo
PAMS	Table_1 ×	+				
Table des	scription					
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РК€	Required	Read only	Field name	Field description	Add row constraint Field type	Mandatory table 🗸
PK € ≩ Create		Read only	Field name	Field description	Field type	Mandatory table 🗸
		-	Field name Fk_PaMs	Field description		Mandatory table 🗸
⊉ Create	e field QC	-			Field type	Mandatory table
≢ Create	e field QC				Field type	Mandatory table

#### Figure 18 Link to PaMs required

Besides, for the **Table\_1**, **Table\_2** and **Table\_3** and their **subtables** you must create a *Fk\_PaMs* [A] field with a link for PaMs Id [B]. This is because in one PaM will only be one Table\_1 but there can be, for example, 4 or 5 sectors, and it must be indicated that they belong to the Id of the PaM in particular.

In that case, you will have a guide to continue configuring the webform.

## 1.1.3.1 Single PaM

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#### Figure 19 Creating Single or Group of PaMs

PaM should be reported as a single PaM or a group of PaMs, for this reason, you can select whether a single PaM or a group of PaMs is reported [A] by clicking the button 'Add' [B]. At this point, we are adding a Single PaM to our webform.



Questionnaire for reporting on Policies and Measures under the Monitoring Mechanism Regulation

A	Single: 1	+ Add
	Group:	+ Add
	Overview	
	Padds Table 1 🛕 Table 2 🛕 Table 3 🛕	
	Overview Table 🔺	
В	*PaMId	
	*Name of PaM or group of PaMs 0	
	Name of PaM or group of PaMs in national language	
	*Is this a single PaM or a group of PaMs?	
	Which policies or measures does it cover?	
	*Short description	

Figure 20 Detail of PaMs fields

Once the single PAM is added, we can click on the 'PaM number' [A] to see the details and fields to configure and fill the PaMs table[B].

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	Short description		+ Creste table
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	✓ Save X Cancel		

Figure 21 Edit row



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Figure 22 Editing row

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													+ Add + Add
ingle:					PaM	which							
ingle:		PaM Number	Name of Pails or group of Pails	Name of PaM or group of PaMs in national language	PaM or group of PaMs	Which policies or measures does it cover?	Short description	Table 1: Sectors and gases for repor on policies and measures and group measures, and type of policy instrument	os of assessments of the	results of ex-ance and ex-po effects of individual or group sures on mitigation of climat change	and benefi	sillable projected a ts of individual or j res on mitigation (	+ Add

Figure 23 Single PaM details

By clicking 'Edit' button [A] you can fill and edit the fields related to record [B] and you can add the name and the rest of fields [C] of a Single PaM or group of PaMs. By clicking 'Save' you can save the data and then you must see the changes on the table [D].

## 1.1.3.2 Group of PaMs



	lescription									m Configure webfor
▲ Expor	: dataset data						• Valid	ate 🔺 Show validations 置 QC Rules	₽ Unique constraints → External integrations iar	Dashboards 🗴 Manage copies 🙄 Refresh
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ingle:	1									+ Add
070000										
Group:	2									A + Add
Group: Actions	2 Validations	PaM Number	Name of PaM or group of PaMs	Name of PaM or group of PaMs in national language	PaM or group of PaMs	Which policies or measures does it cover?	Short description	Table 1: Sectors and gases for reporting on policies and measures and groups of measures, and type of policy instrument	Table 2: Available results of ex-ante and ex-post assessments of the effects of individual or groups of policies and measures on mitigation of climate change	Table 3: Available projected and realised co and benefits of individual or groups of polic and measures on mitigation of climate char
			PaM or group of	group of PaMs in national	or group of	policies or measures does it		on policies and measures and groups of measures, and type of policy	assessments of the effects of individual or groups of policies and measures on mitigation of climate	and benefits of individual or groups of polic



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glet 1	3			SecondPam		4 Add
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sup:	2			PaM or group of PaMs		+ Add
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196813	Vanciacions	Number	PaMa D	#1 - Name test,#3 - Third	limate	and measures on mitigation of climate chang
			Name test			+ Cruste table
		2	SecondPa m			+ Create table
		3	Third			+ Create table
				Save & Cancel		

Figure 25 Edit Group of PaMs

We can also create a group of PaMs by clicking the 'Add' button [A]. Then you can click on 'Edit' button [B] in order to fill and edit [C] the fields related to this PaMs group and to add which policies or measures are covered by selecting the single PaMs you need [D] (each Single PAM could be in more than one group).





Repo	ortnet	3 W	ebfo	orms Ho	wT	0		Europ		
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Single:	1) (3)									+ Add
Group:										
	(*)									+ Add
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Actions	Validations	PaM Number	Name of PaM or group of PaMs	Name of PaM or group of PaMs in national language	PaM or group of PaMs	Which policies or measures does it cover?	Short description	Table 1: Sectors and gases for reporting on policies and measures and groups of measures, and type of policy instrument		
			PaM or group of	group of PaMs in national	or group of	policies or measures does it		on policies and measures and groups of measures, and type of policy	assessments of the effects of individual or groups of policies and measures on mitigation of climate	Table 3: Available projected and realised costs and benefits of individual or groups of policies
Actions			PaM or group of PaMs	group of PaMs in national	or group of PaMs	policies or measures does it	description	on policies and measures and groups of measures. and type of policy instrument	assessments of the effects of individual or groups of policies and measures on mitigation of climate change	Table 2: Available projected and realised costs and benefits of individual or groups of policies and measures on mitigation of climate change

Figure 26 Create table - Table\_3

If you want to create a record, for example for the Table\_3, you must click on the 'Create table' button [A].

	escription									
										m Configure webfo
& Export	dataset data						O Vali	Sate ▲ Show validations 表 QC Rules	P Unique constraints 🛛 🖪 External integra	ations iat Dashboards
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oup:		PaM Number	Name of PaM or group of PaMs	Name of PaM or group of PaMs in national language	PaM or group of PaMs	Which policies or measures does it cover?	Short description	Table 1: Sectors and gases for reporting on policies and messures and groups of measures, and type of policy instrument	Table 2: Available results of ex-ants an assessments of the effects of individual policies and measures on miligation of change	d export group Table 3: Available projected and realised cr group C
oup:	2	PaM	PaM or group of	group of PaMs in national	or group of	policies or measures does it		on policies and measures and groups of measures, and type of policy	assessments of the effects of individual o policies and measures on mitigation of	d export group Table 3: Available projected and realised cr group C
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Figure 27 Edit table - Table\_3

Once created, the button 'Create Table' changes to 'Edit Table' [B] and you can edit the records for the Table\_3 [C] on the group created [D].



Single: 1 3		+ Add
E Group: 2		+ Add
	Overview	
PaMs i Table 1 🔺 Tab		
Table 3 🔺		
G Projected costs and benefits		
G Projected costs and benefits		
Cost		
Gross costs in EUR per tonne CO2eq reduced/sequestered		
Absolute gross costs per year in EUR		
	₽	
Benefits in EUR per tonne CO2eq reduced/ sequestered		
Absolute benefit per year in EUR		
6 10-52-24		
Net Cost		
Net costs in EUR per tonne CO2eq reduced/ sequestered		

Figure 28 Fields to fill

This action leads us to a Group '2' [E], Table\_3 [F] and its fields to fill [G].

	5						Configure web
🛦 Export dataset o	fata		🗢 Validate	▲ Show validations 妻 0	QC Rules 👂 Unique constraints 📲 1	External integrations i tat Dashboa	rds 🗴 Manage copies 🙄 Refre
		C3				Des	Tabular data Webform
e PAMs A	Table_1 🔺 ×	SectorObjectives 🔺 * Oth	nerObjectives 🍐 🛪 ReferenceAssessments	S 🔺 🕷 UnionPolicyOther	× Entities 🔺 × Indicators × R	eference 🛕 × Table,2 🛕 ×	Documentation_AnteAssessment
Table description	x						Read only table
Table description	1				Add unique constraint		Prefilled
					Add row constraint		Fixed number of records Mandatory table
1 import table of	data 🛓 Export ta	ble data 🛛 💼 Delete table data	> Show/Hide columns T Validation filter				
Actions	Validations	id 0 ¢	Title 0 🛊	TitleNational 9 🛊	IsGroup 🖲 🛊	ListOfSinglePams 0 🛊	ShortDescription 0 🛊
		1	Name test		Single	ð	example
		2	SecondPam		Group	#1 - Name test, #3 - Third	
		3	Third		Single		
/ 8				1 B H 10 V			

#### Figure 29 Tabular data View

Finally, on 'Tabular data' view [A] you can see the structure of PaMs table [B].



# **1.1.4** How to configure a Webform – National Systems

Dataset National Syste	s <b>chema: t</b> e	st							
Dataset description								A B Co	onfigure webform
▲ Import dataset data	🛓 Export dataset data	Validate	▲ Show validations	≢ QC Rules	Unique constraints	♣ External integrations	迪 Dashboards	Manage copies	€ Refresh
								Design T	abular data
+									
Create a table to start	editing your dataset sch	ema							

#### Figure 30 Configure webform

Dataset schema: test National System	
Dataset description	
Dataset description	Configure webform      ternal integrations Let Dashboards      Manage copies      Refresh      Design Tabular data
+ Create a table to start editing your dataset schema	

Figure 31 Create National Systems.

- [A] The 'Configure webform' button pops up a new dialogue with a dropdown [B]: first option (default) 'No webform' and the rest options will be the specific webforms developed in the system.
- To select the National System webform you need to select the 'National Systems' from the dropdown.
- [C] You can add the new webform by clicking 'Save' when you have selected the webform needed.



onfigure webfor
s 📿 Refresh
Webform

Figure 31 Configure webform National Systems.

- [A] The 'Webform' view shows the tables and fields you need to complete, in this case, for National Systems webform.
- [B] [C]– You can see messages for the tables or fields which are configured in the webform but not created in the model.

					_
					Read only table
Table description			Add unique constraint		Prefilled 🗸
			출 Add row constraint	Fixed	number of records 🗸
					Mandatory table 🔽
PK <sup>1</sup> Required Read only	Field name	Field description	Fie	ld type	
幸 Create field QC					
=	SectionTitle	Field description	Те	xt	I ~
출 Create field QC					
=	Information	Field description	M	ultiline text	∃ ~
幸 Create field QC 💼				ultiline text	= ~
	TextBlock	Field description	M	litiline text	Ξ 🗸

Figure 32 Design Table\_1

First, on the 'Table\_1' we configure the fields [A] we need. These fields are the ones that we are going to fill later on 'Tabular data' view, in order to create the information showed on the 'Webform' view.

European Environment Agency



Table_1 × Table	e_2 × +				
Table descriptio	'n				-
Table descriptio	20		Add unique cons	traint	Read only table Prefilled 🔽
Those successfully			흎 Add row constr	aint Fixed	i number of records 🔽
					Mandatory table 🛃
1mport tabl	e data 🛓 Export	table data 🛛 🔒 Delete table data <	Show/Hide columns T Validation	filter	
Actions	Validations	🔒 SectionTitle 🏮 🖨	▲ Information <sup>①</sup> ◆	TextBlock 🛈 🖨	UploadFile 🛈 🚖
1		Legal arrangements in place for preparation of reports on policies and measures and of projections	Are there any legal arrangements in place to ensure reporting is completed, and/or data provided, report the legislation and its scope.     If such a description has already been provided, report the changes to legal arrangements in place for the preparation of the report on policies and measures and projections.		÷
		Description of the information collection process	<ul> <li>Provide a summary of the process for collecting information for developing policies and measures, evaluating policies and measures and for developing projections. Explain if and how consistent processes are used for collecting and using information for policies and measures and projections.</li> </ul>		÷

Figure 33 Tabular data view

	c	Add record		×	
	Descr	SectionTitle 0			1
	collec	test			
		Information 🕄			Total: 12 records
+ Add record		tooltip test			Paste records
		TextBlock 0			
European Environment Agency 💥		block test			helpdesk@reportnet.europa.eu
		Add another record	✓ Save X	Cancel	

Figure 34 Add record

If we click on **'Tabular data'** view and we add new record, the fields we are filling in correspond to those that we will later see in the **'Webform'** view.

Field type

8 🗸



tooltip test			
block test			
If necessary, you can upload here an additional doc	ument (max. 2 MB)		
D ᆂ Attach file 🔒			
Figure 34 Webform view Table_1			
<ul> <li>[A] – This text field refers to</li> <li>[B] – This text field refers to</li> <li>[C] – This text field refers to</li> <li>[D] – This text field refers to</li> </ul>	Information TextBlock fi	field defined in <b>'De</b> eld defined in <b>'Desig</b>	sign' view. m' view.
Table description			Read only table
Table description		<ul> <li>Add unique constraint</li> <li>Add row constraint</li> </ul>	Prefilled 🔽
		Add fow constraint	Mandatory table 🔽
PK <sup>1</sup> Required Read only Field name	Field description	Field type	
	Field description	Attachme	nt 🖉 🗸 Valid file

#### Figure 35 Design Table\_2

Field name

С	Additional information
	<b>≰</b> Attach file f

Field description

Figure 36 Webform view Table\_2

Table\_2 [A] defines the field UploadFile [B] that appears in the Additional information section [C] at the general level in the 'Webform' view.