



Q-DAS Product Line

Result - Export Input and output fields

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Document History

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1 Result export

Under *File*/*Configurations*/*Fields, Input and Output*/*Result export (file)* the dialog "Fields selection for result export" is opened, through which the corresponding output fields are defined.





This document does not explain the available result output points.



1.1 Export options

The following two different export options are available:

- Export via converter script
- Export as QML file

Export via converter script		
Export as QML file		
Parts fields	Characteristics fields	Output Points
1001 Part number 1002 Part decorption 1053 Contract	2001 Characteristic Number 2002 Characteristic Description	1000.0 Average 1200.0 Minum value 1300.0 Maximum value 2100.0 Sandard dev. 4011.1 C.Coeff. of valation 6310.1 C.Toti values 6302.0 Total evaluated
+ -	+ -	+ .
Other fields	DB info fields	
+ -		

1.1.1 Export via converter script

If a paid converter script was purchased via Q-DAS, it can be stored here and used instead of the QML export.



The use of a converter script takes place exclusively in customer-specific projects. In addition, additional offers are required for the planning and creation of the converter script, which depend on the expected effort. Converter scripts are not subject to the automatic tests by Q-DAS GmbH and must therefore be checked by the customer for correct functionality when upgrading to new versions.



1.1.2 Export via QML file

The export as QML file is the classic output, which can also be set up without a converter script.

The areas that can be exported are roughly described here. A list of the individual fields is not provided in this document.

Basically, fields can be added or removed with + and -. Adding a new output field is done by selecting the field and then confirming with OK.

1.1.2.1 Parts fields

All available part fields (incl. ISR*) can be selected here.



*ISR=Initial Sample Report

1.1.2.2 Characteristic fields

All available characteristic fields can be selected here.

Characteristics 2001 Characte	Output P 1000 ,0 /							
	Field selection xxx							
	Characteristics fields							
	Characteristic Number (K2 Characteristic Description Characteristic Abbreviatio Characteristic Type (K200 Characteristics Class (K20 Control Item (K2006) Control Type (K2007)	2001) (K2002) n (K2003))4) 005)						
+	Group type (K2008) Measured quantity (K2009 Distribution (K2011)	9)						



1.1.2.3 Output points

The classic output points of the calculated results per characteristic are available here.

1	Output field selection (listing)		
	Output Points Average and Median value	Field No.	Sub-number
	Minimum and maximum va	1000	0
	Variances, standard devia	1000	5
	Grading Skewness, kurtosis, exce Grading Regr.coeff., standard dev Grading Quantiles (4100-4499) Grading Test procedures (4500-45)	1004	0
		1010	0
+		1010	1
	Output Point (6000-6500)	1011	0
	Classifications (6501-699)	1011	1
	QCC parameter (8000-99)	1012	0
	Output Point (10000-1199 generally attribute (13000	1012	1
	binarily attribute (13200-1	1013	0
	attributively ordinal / nomi Output Point (15000-159)	1013	1
	all output fields (1000-159	1020	0
		1020	1



Output points such as quantile limits can only be output "non-transformed". A re-transformed output is generally not possible.



1.1.2.4 Other data

"Other data" offers several available output fields. System information such as customer no., license name, current date / time, computer information or version information can be selected here.

	🛃 Output field selection (listing)					- 🗆	×
	E-2 Kfields	Field No.	Sub-number	Long text	Short text	Field content	
+		9400	0	Recording characte	Characteristic	1 / 13	-
Other fields	elds Group fields (5000-5099) ate/Time Group levels (5000-5099) ate/Time Group levels (5000-5099) ate/Time Group levels (5000-5099)	9500	0	Company name	Company	Testaccount Lizenztest	
999 / Date / Time		9501	0	Company name Ope	Company		
	Characteristics data (800)	9502	0	Registration no.	Registration number	100	
		9502	1	Registration no.	Registration number	5/8/1/17/1/06-820-/18-0107/10800	
		9502	2	Registration no.	Registration number	TORONO MUNICIPALITY AND A DECEMPENDING OF A DECEMPENDIO OF A DECEMPENDING OF A DECEM	
		9509	0	Current login name	Curr. login name	ConfigurationUser	
		9510	0 43	Operator Name	Op.Name.	NN	
		9511	0	Plant Sector	Sector	NN	
+		9512	0	Department/Cost an	Dept./Cost./Prod.	NN	
		9513	0	Telephone Number	Phone No.		
		9514	0	Telefax Number	Fax No.		
		9515	0	E-Mail Address	E-Mail Adr.		
		9516	0	Shop floor	Shop fl.	NN	
		9517	0	Cost center	Cost ctr.	NN	
		9600	0	Current module	Curr. module	Process Capability Analysis	
		9601	0	Current measuremen	Curr. Measurement		

1.1.2.5 DB Info Fields

In the DB-Info - fields part overlapping information like the number of characteristics, used filters and further output fields are available.

DB info fields	🛃 Output field selection (listing)					
5080 ,0 Number of chara	DB info fields	Field No.	Sub-number	Long text	Short text	Contents (value)
	Global database informati	9070	0	Number of Parts	Parts	1
		9080	0	Number of characte	Characteristics	13
		9100	0	Applied filters	Filters	
		9101	0	Query or quick filter	Selection / Quick filt	
		9102	0	Applied parts filter	Parts filter	
		9103	0	Applied characteristi	Characteristics filter	
+		9104	0	Applied value filter	Value filter	
		9105	0	Result filter	Result filter	
		9110	0	Date/Time	t _{min}	07.05.1992 13:43:0
		9110	1	Time	t _{min}	13:43:08



1.2 Define content in the QML export file

The structure of the QML file is explained here by using the simple example with three characteristics and with two entries per category.

Parts fields	Characteristics fields	Output Points
1001 Part number 1002 Part description	2001 Characteristic Number 2002 Characteristic Description	1000 .0 Average 1100 .0 Median value
+ Other fields	DB info fields	+ ·
9509 — 9997 Date/Time	9070 .0 Number of Parts 9080 .0 Number of characteristics	

The QML export format is an XML based format. After the header the "other data" output fields are written first. As a subset of this, the DB info fields. Only then the part information with the subordinate characteristics follows below in a new area.



1.2.1 < GlobalInfo>

The output of the "other data" happens in one line one after the other. The specification is done with a Knumber. However, the K9xxx series does not exist in the Q-DAS ASCII transfer format. These are exclusively virtual K-fields.

<K9000Fields K9509="ConfigurationUser" K9997="05/24/2022"/>

1.2.2 < DBInfo>

In the area of the DBINFO fields these are marked as "id" and all selected entries are written below each other. As "id" and at the end under "value" their content.

```
< DBInfo>
<Field id="9070" subkey="0" value="1"/>
<Field id="9080" subkey="0" value="3"/>
</DBInfo>
```

1.2.3 <parts>

The output of the part data always starts with the respective part GUID. Then the selected k-fields with the corresponding content are written one after the other.

```
<Part guid="{DA653D8A-CB27-4CA2-8C8A-7A8A25854C1F}" k1001="P-AS-001" k1002="Guide Rod">
```

1.2.4 < Characteristics>

For the characteristics, the characteristic information and the output points (results) of the characteristics are written for each characteristic. As with the part information, the output always starts with the respective characteristic GUID. The K-fields are written after the GUID in one line. The following sesult fields are marked as r - fields and output one below the other.

```
<Characteristic guid="{A0C440F1-E004-4CB3-99EC-2C23D4E75EBE}" k2001="C1"
k2002="Height 12H8">
<Results>
<Result id="r1000" subKey="0" value="12.01384"/>
<Result id="r1100" subKey="0" value="12.0140"/>
</results
```



1.3 Call up the export

The export can be executed within the Q-DAS applications in different ways.

1.3.1 Manual call up of the export:

In the products qs-STAT and solara.MP the export can be done manually.



The predefined memory location corresponds to that used when saving DFQ files. A file name must be specified manually.



1.3.2 Alarm export in CMM reporting

In O-QIS CMM reporting the QML export is considered as "Alarm QML. Herewith a QML export can be done directly after loading the DFQ - file.

The necessary settings for this are:

- Activation of the corresponding option within the CMM reporting settings



- Specification of the fields for path generation

Path creation		Select output	1
Part number	\$ \$	Part description Date/Time	
C:\Q-DAS\Shares\QML-E Separator	xports\x2\x	Bolt_24.05.2022 085722	2.QML

- Specification of the fields for file name generation

		Calastantant	
Part number	₽	Part description Date/Time	\$ \$
C:\Q-DAS\Shares\QML-Expr Separator	orts\x2\x	Bolt_24.05.2022 085722.QML	



- For the paths within the O-QIS CMM Reporting configuration, the storage path for the QML files must also be stored

Path for QML-result file output		
QML path	C:\Q-DAS\Shares\QML-Exports	

The alarm output for the individual characteristics is used most frequently here within CMM reporting.

Dutput field selection (listing)							
Output Points	Field No.	Sub-number	Long text	Short text	Contents (text)		
Minimum and maximum values, location	15000	0	Overall evaluation		The requirements could not be controlled		
Variances, standard deviations, ranges Classification, form parameter, estimator	15000	2	Overall evaluation		0		
Skewness, kurtosis, excess, quantity (3	15011	0	minimum tolerance for capability potentia	T 'min	0.000		
	15012	0	LSL-> for capability index requirement	LSL 'min	0.000		
Test procedures (4500-4999)	15013	0	USL-> for capability index requirement	USL 'min	0.000		
	15100	0	Alams		Average below control limit		
Classifications (6501-6999)	15100	1	Alam for last individual value		О.К.		
	15100	2	Alarm for location of the last subgroup		Average below control limit		
	15100	3	Alarm for variation of the last subgroup		Variation above control limit		
······································	15100	4	Alarm for total data set		О.К.		
attributively ordinal / nominal (13400-13)	15100	10	Coded alarms		2		
all output fields (1000-15555)	15100	11	Alarm coded for last individual value		0		
	15100	10	Alama and a device at a set and a set		510		



1.3.3 Export in the reporting system

In the reporting system, the output of a result export can be specified in the reporting job within the Q-DM application.

QML-Result-Output	
C:\Q-DAS\Shares\QML-Exports	

The stored QML file has the name of the used selection as file name.



The configuration of the QML output must be done in the product qs-STAT as superuser.



The option was only tested when using one selection. If multiple selections with multiple parts are used in reporting jobs, the QML output must be checked in workshops.