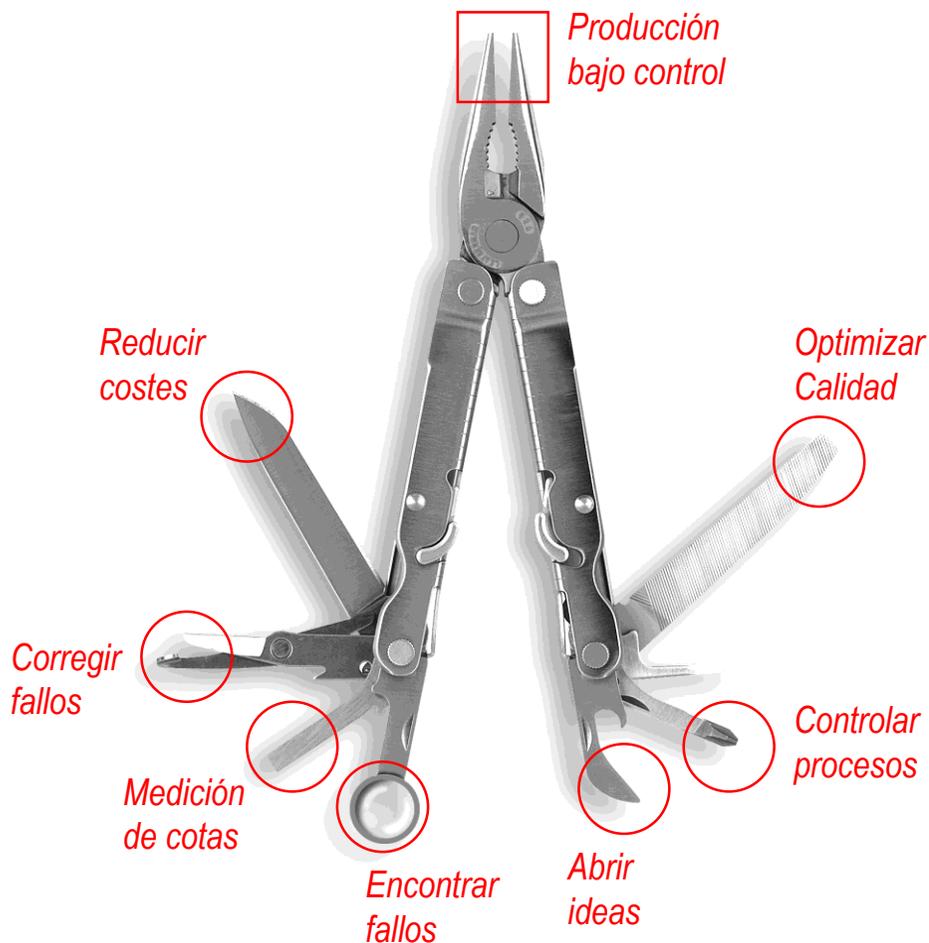




PRESENTA

## Planificación de la Calidad con el Sistema CAQ de ASIDataMyte QDA



▶ **QDA 9.3**

▶ **GESTION DE LA BASE DE DATOS**

QDA

QDA 8

File View ?

New Delete Copy A+B Rename

Items - MN 311062

Table Details

Product group

Item	Add. field 6	Caption	Add. fi...	Add. field 3	Add. field 8
+  Product group : safdfds					
+  Product group : 6-KT-Mutter					
-  Product group : AUSSENBUCHSE					
735766-02					
-  Product group : AUSSENRING, KOMPLETT					
724229-02					
+  Product group : AUSSENTEIL					
-  Product group : AUSSENTEIL SEK 540					
746122-02					
+  Product group : AUßENBUCHSE					
+  Product group : Abreißsicherung					
-  Product group : Adapterplatte					
746121S14-002					
746121S5-002					
746145-004					
746149-007					
+  Product group : Adapterstück					
+  Product group : Anlagen					
+  Product group : Anschlag					
-  Product group : Anschlagbolzen					
751188-001					
751188S1-001					
+  Product group : Anschlagbügel					
+  Product group : Anschlaghalter					
-  Product group : Anschlaghalter komplett					
741954-01					
+  Product group : Anschlagplatte					
+  Product group : Anschlagplatte komplett					
+  Product group : Anschlagscheibe					

User: Admin Station: TETZLAFF (Standard) Database: CAQ MTQ 2007 eng

Start Microsoft PowerPoint ... QDA 8 (CAQ MTQ 20... DE 15:57

- Visión general de los Productos o Piezas

The screenshot shows the QDA 8 software interface. The main window is titled "Items - MN 311062". On the left is a navigation tree with categories like Configuration, Administration, Base data, Customers, Suppliers, Items, Catalogs, Sample plans, Decisions, and Sample information. The main area is divided into "Table" and "Details" tabs. The "Details" tab shows fields for Item (MN 311062), Description, Product group, Caption, Specification, Drawing no. (4345-99-C-002), Date, Customer no. (D000008 - Continental AG), Supplier no. (K000017 - I.B.S. Ing.-Büro Schmid - Ber), and an "Active" checkbox. To the right of these fields is a "Picture Addition" section with eight "Add. field" input boxes and a "Department ID" field. Below the details is a "Check plans" section with tabs for parts list, PPAP/PPF, Complaints, FMEA, APQP, Orders, and Action. A table is displayed under the "Action" tab:

Check plan	State	Plan type	Check plan descr.
SPC Prüfung PG MN311	Editing	SPC	
Werkzeugwechsel PG MN 311	Released	SPC	
kk	Editing	PPAP/PPF	

At the bottom of the window, the status bar shows: User: Admin, Station: TETZLAFF (Standard), Database: CAQ MTQ 2007 eng. The Windows taskbar at the very bottom shows the Start button and several open applications including QDA 8, QDA-APQP PPAP F..., C:\APP\Normen\QS..., QS Begriffe deutsch..., PG 311.DOC - Micro..., and the system clock at 15:29.

- A partir de ahí, toda la información sobre una pieza, está disponible
- Haciendo doble click en una referencia, nos da la oportunidad de ver un ejemplo del plan de test (vamos a la sección de sus posibilidades y características)

QDA 8

File View ?

Configuration  
Administration  
Base data

Customers  
Suppliers  
Items  
Catalogs  
Sample plans  
Decisions  
Sample information

Quality planing  
Inspection concept  
Gauge administration  
Data input  
Inspection documents  
Evaluation  
Evaluation II  
RDS

### Items - MN 311062

Table Details

Item: MN 311062  
 Description:   
 Product group:   
 Caption:   
 Specification:   
 Drawing no.: 4345-99-C-002  
 Drawing:   
 Date:   
 Customer no.: D000008 ... Continental AG  
 Supplier no.: K000017 ... I.B.S. Ing.-Büro Schmid - Ber  
 Active

Picture Addition

Add. field 1:   
 Add. field 2:   
 Add. field 3:   
 Add. field 4:   
 Add. field 5:   
 Add. field 6:   
 Add. field 7:   
 Add. field 8:   
 Department ID:   
 Price:

Check plans parts list PPAP/PPF Complaints FMEA APQP Orders Action

- 724157-01
- 711068-01
- 724042-01
- 711068-02
- 700139-01
- 732072-02
- 732271-01
- 741968-01
- 3333334/00
- 04311-107-09/J
- ZB Boden hinten
- Z Druckfeder

Product group:   
 Item: 711068-02  
 Check plan:   
 Order field:

User: Admin Station: TETZLAFF (Standard) Database: CAQ MTQ 2007 eng

Start QDA 8 (CAQ MTQ 2... QDA-APQP PPAP F... C:\APP\Normen\QS... QS Begriffe deutsch... PG 311.DOC - Micro... DE 15:30

- Lista de Piezas

QDA 8

File View ?

Items - MN 311062

Table Details

Item: MN 311062

Description:

Product group: ...

Caption:

Specification:

Drawing no.: 4345-99-C-002

Drawing:

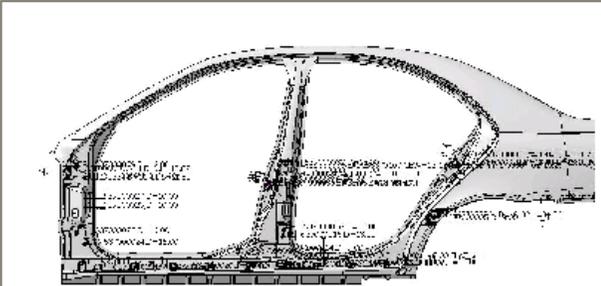
Date:

Customer no.: D000008 Continental AG

Supplier no.: K000017 I.B.S. Ing.-Büro Schmid - Ber

Active

Picture Addition



Check plans | parts list | PPAP/PPF | Complaints | FMEA | APQP | Orders | Action

Drag a column header here to group by that column

Customer no.	PPF/PPAP No	Methods of clearance	Draw...	Date	State	Decision	Usage d...	Date of usage de
D000004	EMPB-1012	VDA6.2 2004	1	1.5.2006	Editing			
D000005	EMPB-1008	Freigabe Zeichnungsteil (S / R) QS 9000			Editing			
D000006	06 1001	Freigabe Kaufteil (S / R) VDA			Decision made	Freigabe	Caroline	18.12.2006
D000006	06 1003	Freigabe Zeichnungsteil (S / R) VDA			New			
D000008	06 1004	PPAP QS9000			New			
D000021	EMPB-1009	PPAP QS9000			Editing			

User: Admin Station: TETZLAFF (Standard) Database: CAQ MTQ 2007 eng

Start QDA 8 (CAQ MTQ 2... QDA-APQP PPAP F... C:\APP\Normen\QS... QS Begriffe deutsch... PG 311.DOC - Micro... DE 15:31

- Todos los PPAPS y su situación y estado

QDA 8

File View ?

Items - MN 311062

Table Details

Item: MN 311062

Description:

Product group: ...

Caption:

Specification:

Drawing no.: 4345-99-C-002

Drawing:

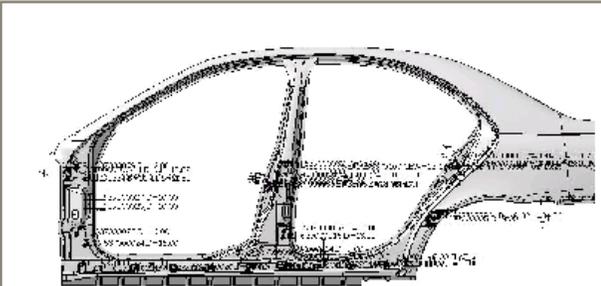
Date:

Customer no.: D000008 Continental AG

Supplier no.: K000017 I.B.S. Ing.-Büro Schmid - Ber

Active

Picture Addition



Check plans parts list PPAP/PPF Complaints FMEA APQP Orders Action

FMEA	FMEA Caption	Created...	Creation date	Change level	FMEA Type	STATUS	Crit. RPN	Max. RPN	# Crit. RPN
Drilling		Admin	21.04.2005 12:38:48		1 Prozess-FMEA (QS-9000)	2	125		90
Kugelzapfen		Admin	21.04.2005 12:38:48		3 Prozess-FMEA (QS-9000)	2	125		90
Pacaging		Admin	21.04.2005 12:38:48		1 Prozess-FMEA (QS-9000)	2	125		90

User: Admin Station: TETZLAFF (Standard) Database: CAQ MTQ 2007 eng

Start QDA 8 (CAQ MTQ 2... QDA-APQP PPAP F... C:\APP\Normen\Q5... QS Begriffe deutsch... PG 311.DOC - Micro... DE 15:32

- Todo lo afín y relacionado con los FMEA

QDA 8

File View ?

Configuration  
Administration  
Base data

Customers  
Suppliers  
Items  
Catalogs  
Sample plans  
Decisions  
Sample information

Quality planning  
Inspection concept  
Gauge administration  
Data input  
Inspection documents  
Evaluation  
Evaluation II  
RDS

### Items - MN 311062

Table Details

Item: MN 311062

Description:

Product group: ...

Caption:

Specification:

Drawing no.: 4345-99-C-002

Drawing:

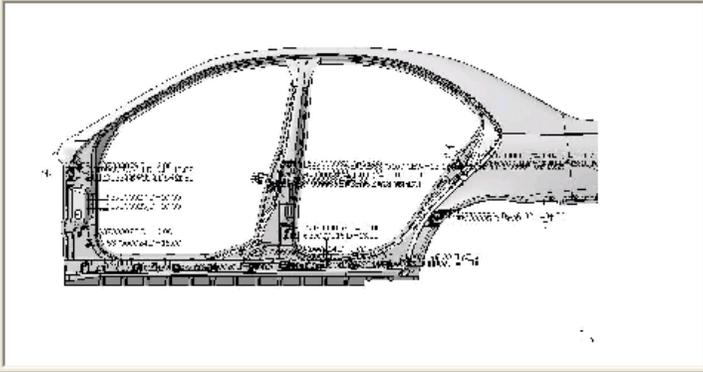
Date:

Customer no.: D000008 Continental AG

Supplier no.: K000017 I.B.S. Ing.-Büro Schmid - Ber

Active

Picture Addition



Check plans | parts list | PPAP/PPF | Complaints | FMEA | APQP | Orders | Action

Drag a column header here to group by that column

APQP	Item	Drawing no.	Customer no.	Customer	Created by	Creation date	Start date	End date	Project manager
APQP/05/002	MN 311062	4345-99-C-002	0002	Unimerco	Admin	23.04.2005	15.04.2005	11.08.2005	Admin
APQP_05_001	MN 311062	4345-99-C-002	0002	Unimerco	Admin	25.04.2005	18.07.2006	27.07.2006	Admin
APQP_05_002	MN 311062	4345-99-C-002	D000038	Herstad + Piper A/S	Admin	14.09.2006	14.09.2006	21.10.2006	Admin

User: Admin Station: TETZLAFF (Standard) Database: CAQ MTQ 2007 eng

Start QDA 8 (CAQ MTQ 2... QDA-APQP PPAP F... C:\APP\Normen\Q5... Q5 Begriffe deutsch... PG 311.DOC - Micro... DE 15:32

- Todos los APQP

QDA 8

File View ?

Configuration  
Administration  
Base data

Customers  
Suppliers  
Items  
Catalogs  
Sample plans  
Decisions  
Sample information

Quality planning  
Inspection concept  
Gauge administration  
Data input  
Inspection documents  
Evaluation  
Evaluation II  
RDS

### Items - MN 311062

Table Details

Item: MN 311062

Description:

Product group: ...

Caption:

Specification:

Drawing no.: 4345-99-C-002

Drawing:

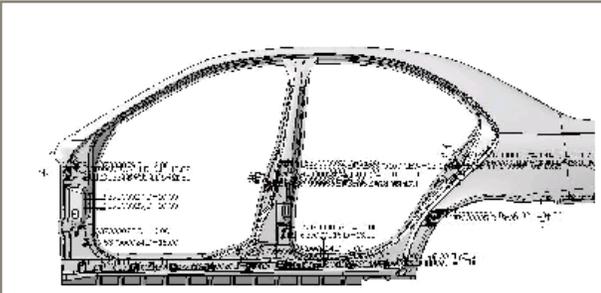
Date:

Customer no.: D000008 Continental AG

Supplier no.: K000017 I.B.S. Ing.-Büro Schmid - Ber

Active

Picture Addition



Check plans parts list PPAP/PPF Complaints FMEA APQP Orders Action

Drag a column header here to group by that column

Order	Kind of Order	State	Check plan	Cha...	Drawing	Creation date			Lieferschein
▶ 2341234324	Measuring capability	Ready for measur	SPC Prüfung PG MN311	1		25.10.2006	<input type="checkbox"/>	<input type="checkbox"/>	
MN 311062 Stand 02/04-001	SPC	Decision made	SPC Prüfung PG MN311	0		14.04.2004	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
MN 311062 Stand 04/04-001	SPC	In measuring	SPC Prüfung PG MN311	1		22.04.2004	<input type="checkbox"/>	<input type="checkbox"/>	
MN 311062 Werkzeugwechsel	SPC	Ready for measur	Werkzeugwechsel PG MN	0		14.04.2004	<input type="checkbox"/>	<input type="checkbox"/>	
Neue MSA KKÖLKÖ	Measuring capability	Ready for measur	SPC Prüfung PG MN311	1		21.12.2006	<input type="checkbox"/>	<input type="checkbox"/>	

User: Admin Station: TETZLAFF (Standard) Database: CAQ MTQ 2007 eng

Start QDA 8 (CAQ MTQ 2... QDA-APQP PPAP F... C:\APP\Normen\QS... QS Begriffe deutsch... PG 311.DOC - Micro... DE 15:33

- Todas las órdenes de producción.

QDA 8

File View ?

Configuration  
Administration  
Base data

Customers  
Suppliers  
Items  
Catalogs  
Sample plans  
Decisions  
Sample information

Quality planing  
Inspection concept  
Gauge administration  
Data input  
Inspection documents  
Evaluation  
Evaluation II  
RDS

### Items - MN 311062

Table Details

Item: MN 311062

Description:

Product group: ...

Caption:

Specification:

Drawing no.: 4345-99-C-002

Drawing:

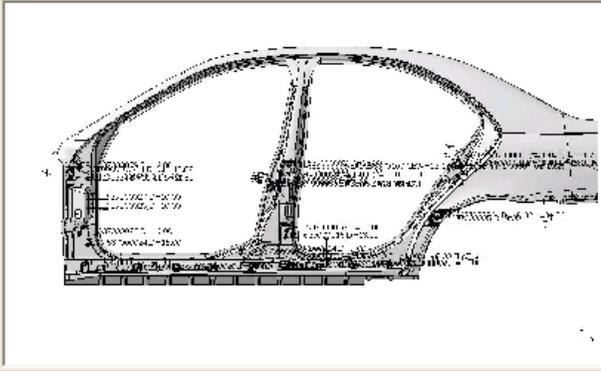
Date:

Customer no.: D000008 ... Continental AG

Supplier no.: K000017 ... I.B.S. Ing.-Büro Schmid - Ber

Active

Picture Addition



Check plans | parts list | PPAP/PPF | Complaints | FMEA | APQP | Orders | Action

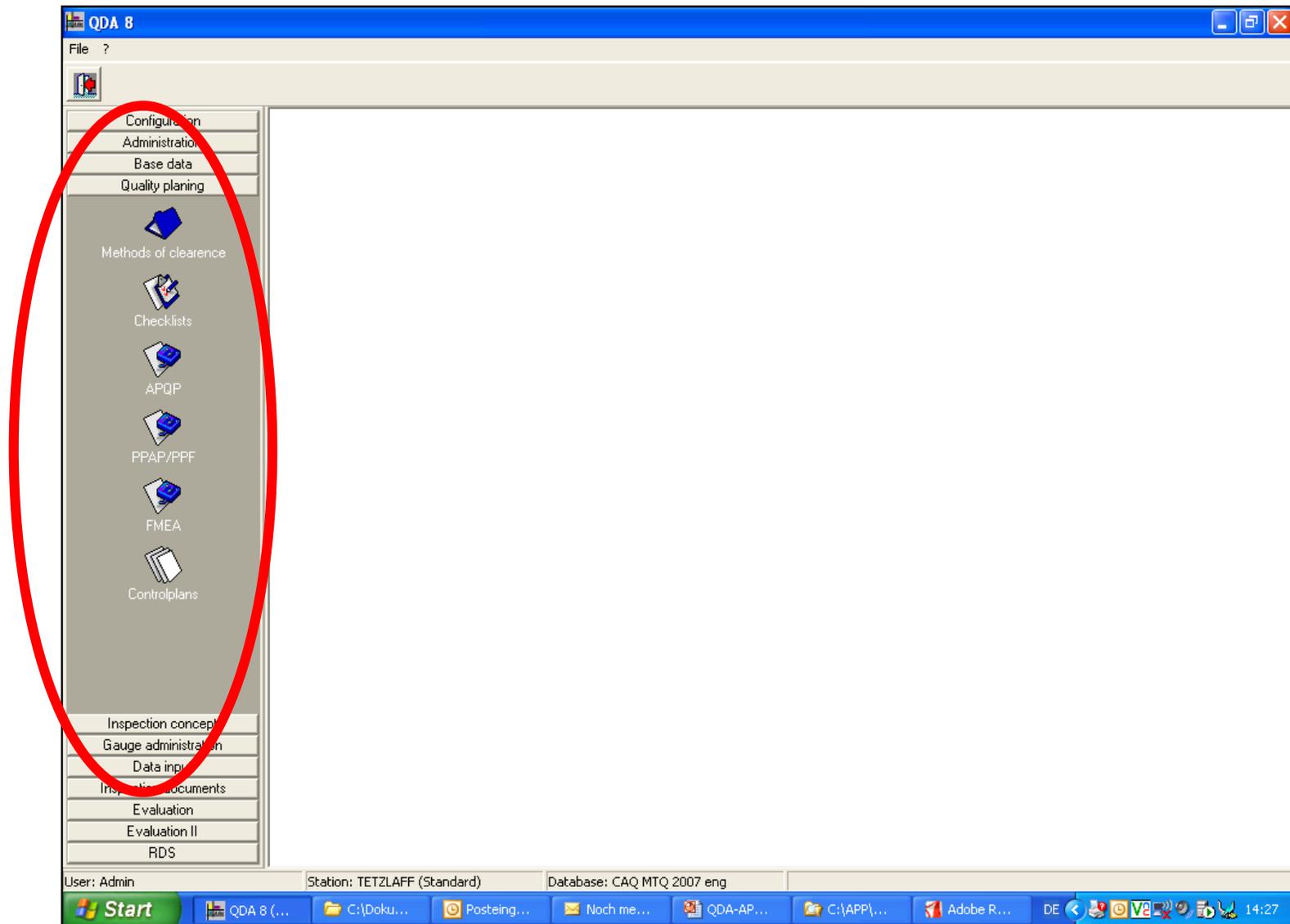
Drag a column header here to group by that column

Type	State	Created by	Responsible	Start	To be finished	Ending date	Creation date
Immediately	New	Admin	Admin	17.11.2006	18.11.2006		17.11.2006 1
Vermeidung	New	Admin	Müller	07.12.2006	08.12.2006		07.12.2006 1
Vermeidung	New	Admin	Müller	21.12.2006	05.01.2007		21.12.2006 1

User: Admin Station: TETZLAFF (Standard) Database: CAQ MTQ 2007 eng

Start QDA 8 (CAQ MTQ 2... QDA-APQP PPAP F... C:\APP\Normen\QS... QS Begriffe deutsch... PG 311.DOC - Micro... DE 15:33

- Las acciones definidas y reales, y las que se están aplicando y cómo



▶ **Planes de Control**

Q D A

APQP  
FMEA  
PPAP

QDA 8

File View ?

New Delete Copy A+B Rename State

Configuration Administration Base data Quality planning

Methods of clearance Checklists APQP PPAP/PPF FMEA Controlplans

Inspection concept Gauge administration Data input Inspection documents Evaluation Evaluation II RDS

## Controlplan - PG 311

Table Details

Drag a column header here to group by that column

Controlplan	Caption	Type	Change level	State	Creation date
GG 111-242	Cam Shaft Production	Preseries	1	Locked	17.02.2007
GG 118-242		Preseries	1	Released	17.02.2007
GG 118-888		Preseries	1	Released	17.02.2007
GG 122-242		Preseries	1	Released	17.02.2007
GG 124-242		Preseries	1	Released	17.02.2007
GK 118-888		Preseries	1	Released	17.02.2007
GK 118-892		Preseries	1	Released	17.02.2007
GK 121-892		Preseries	1	Prel. release	17.02.2007
GK 134-892		Preseries	1	Released	17.02.2007
GK331-892		Preseries	1	Released	17.02.2007
GK331-893	Cam Shaft Production	Preseries	1	Editing	17.02.2007
LG 234-212		Preseries	1	Locked	17.02.2007
LG 234-222		Preseries	1	Prel. release	17.02.2007
LG 234-242		Preseries	1	Released	17.02.2007
PG 229-311		Preseries	1	Released	17.02.2007
PG 234-222		Preseries	1	Released	17.02.2007
PG 234-311		Preseries	1	Released	17.02.2007
PG 311	Cam Shaft Production	Preseries	3	Editing	20.04.2005
PwF 140001		Template	1	Released	15.01.2007

User: Admin Station: TETZLAFF (Standard) Database: CAQ MTQ 2007 eng

Start QDA 8 (CAQ MTQ 20... QDA-APQP PPAP FME... Adobe Reader - [QS ... DE 14:35

- Lista de Planes de Control con su situación

QDA 8

File View ?

Controlplan - PG 311

Table Details

No./Change level: PG 311 3

Caption: Cam Shaft Production

Type:  Template  Preseries  Series

Supplier/City: \_\_\_\_\_

Supplier-key: 123-1111234

State: **Editing**

Created by: Admin

Creation date: 20.04.2005

Approvals | Team | Items | Picture | Remark | History | Attachment

Approvals:

Supplier: Müller GmbH

Customer Eng.: Jens Jensen

Customer QA: Frau Fricke

Other (1): \_\_\_\_\_

Other (2): \_\_\_\_\_

Process steps | Details | Characteristics

Drag a column header here to group by that column

TaskCaption	Task	Plan type	Check plan	State	Process	Active	Print	Me
Identitätsprüfung WE	0020	Goods received	O-Ringe	Editing	0010	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Aus Lager/AWE in Fertigung bringen	0025	SPC	Arbeitsschritte	Released	0010	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Dimensionelle Prüfung	0030	Goods received	O-Ringe	Editing	0030	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Zugversuch WE	0040	Goods received	O-Ringe	Editing	0020	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
OP70 Prüfschärfe 50	0060	SPC	SPC Prüfung PG MN311	Editing	0040	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Dem Warene Ausgang bereitstellen	0065	SPC	Arbeitsschritte	Released	0030	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Ausgangskontrolle	0070	Outgoing Goods	WA Komplettteil	Released	0010	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Papiere vorhanden	0080	Outgoing Goods	WA Komplettteil	Released	0020	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Mengenprüfung	0090	Outgoing Goods	WA Komplettteil	Released	0030	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

User: Admin Station: TETZLAFF (Standard) Database: CAQ MTQ 2007 eng

Start QDA 8 (CAQ MTQ 20... QDA-APQP PPAP FME... Adobe Reader - [Q5 ... DE 14:37

- Operaciones numeradas, así como las mediciones relacionadas



QDA 8

File View ?

Controlplan - PG 311

Table Details

No./Change level: PG 311 3

Caption: Cam Shaft Production

Type:  Template  Preseries  Series

Supplier/City: \_\_\_\_\_

Supplier-key: 123-1111234

State: **Editing**

Created by: Admin

Creation date: 20.04.2005

Approvals Team Items Picture Remark History Attachment

Team

Key contact: Tetzlaff

Core team

Name	Phone
Liebknecht	05139 77822
Franz Meier	0451 6107722

Process steps Details Characteristics

Drag a column header here to group by that column

TaskCaption	Task	Plan type	Check plan	State	Process	Active	Print	Me
Identitätsprüfung WE	0020	Goods received	O-Ringe	Editing	0010	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Aus Lager/AWE in Fertigung bringen	0025	SPC	Arbeitsschritte	Released	0010	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Dimensionelle Prüfung	0030	Goods received	O-Ringe	Editing	0030	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Zugversuch WE	0040	Goods received	O-Ringe	Editing	0020	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
OP70 Prüfschärfe 50	0060	SPC	SPC Prüfung PG MN311	Editing	0040	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Dem Wareneausgang bereitstellen	0065	SPC	Arbeitsschritte	Released	0030	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Ausgangskontrolle	0070	Outgoing Goods	WA Kompletteil	Released	0010	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Papiere vorhanden	0080	Outgoing Goods	WA Kompletteil	Released	0020	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Mengenprüfung	0090	Outgoing Goods	WA Kompletteil	Released	0030	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

User: Admin Station: TETZLAFF (Standard) Database: CAQ MTQ 2007 eng

Start QDA 8 (CAQ MTQ 20... QDA-APQP PPAP FME... Adobe Reader - [QS ... DE 14:42

- Definición del Equipo de trabajo



The screenshot shows the QDA 8 software interface. The main window is titled 'Controlplan - PG 311'. It features a left-hand navigation pane with various quality planning tools like 'Methods of clearance', 'Checklists', 'APQP', 'PPAP/PPF', 'FMEA', and 'Controlplans'. The main area displays details for 'Table' and 'Details' of a control plan. Two dialog boxes are overlaid: 'Add multiple tasks' and 'Data selection'. The 'Data selection' dialog shows a list of tasks with checkboxes for 'Active', 'Print', and 'Measure'.

TaskCaption	Task	Active	Print	Me
Identitätsprüfung WE	0020	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Aus Lager/AE in Fertigung bringen	0025	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Dimensionelle Prüfung	0030	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Zugversuch WE	0040	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
OP70 Prüfschärfe 50	0060	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Dem Warene Ausgang bereitstellen	0065	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Ausgangskontrolle	0070	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Papiere vorhanden	0080	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Mengenprüfung	0090	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

- Añadir planes de chequeo existentes con referencias y sus formas
- Cambios en los planes de chequeo, cambian los planes de control y vice versa



QDA 8

File View ?

Controlplan - PG 311

Table Details

No./Change level PG 311 3

Caption Cam Shaft Production

Type  
 Template  Preseries  Series

Supplier/City

Supplier-key 123-1111234

State **Editing**

Created by Admin

Creation date 20.04.2005

Approvals Team Items Picture Remark History Attachment

Approvals

Supplier Müller GmbH

Customer Eng. Jens Jensen

Customer QA Frau Fricke

Other (1)

Other (2)

Process steps Details Characteristics

Task 0060 TaskCaption OP70 Prüfschärfe 5 Check plan SPC Prüfung PG M State **Editing** Process 0040

Sorting	N..	Characteristic	Type	Key field	Nominal	USL	LSL
1	1	Sichtkontrolle	Product				
2	2	5320_DM	Product		18,000	18,018	18,
3	3	53201_DM	Product		18,000	18,018	18,
4	4	5320 Fase	Product		1,500	1,700	1,
5	5	5330_Tap	Product				
6	6	5330_Thread_Depth	Product				
7	7	53303_Depth	Product				
8	8	Sichtprüfung Stirnseite	Product				
9	9	4210_DM	Product		34,000	34,030	33,
11	10	4210_Fase	Product				
14	11	4240_Depth	Product				
15	12	Sichtprüfung Stirnseite	Product				
15	13	3240_DM	Product		16,500	16,518	16,
16	14	3240_Depth	Product				



User: Admin Station: TETZLAFF (Standard) Database: CAQ MTQ 2007 eng

Start QDA 8 (CAQ MTQ 20... QDA-APQP PPAP FME... Adobe Reader - [QS ... DE 14:39

- Todos los parámetros disponibles en los planes de control



The screenshot displays the QDA 8 software interface. The main window is titled 'Controlplan - PG 311' and shows details for a control plan. The 'Details' tab is active, displaying fields for 'No./Change level' (PG 311), 'Caption' (Cam Shaft Production), 'Type' (Template), 'Supplier/City' (Müller GmbH), 'Customer Eng.' (Jens Jenzen), 'Customer QA' (Frau Fricke), 'State' (Edling), and 'Creation date' (20.04.2005). Below this, a table lists 'Process steps' with columns for 'TaskCaption', 'Task', and 'Plan type'. The table contains several rows, including 'Identitätsprüfung WE', 'Aus Lager/WE in Fertigung bringen', 'Dimensionelle Prüfung', 'Zugversuch WE', 'OP70 Prüfschärfe 50', 'Den Warenausgang bereitstellen', 'Ausgangskontrolle', 'Show test-plan ändern', and 'Mengenprüfung'.

A second window, 'Check plans - O-Ringe', is also visible. It shows details for a check plan with 'Check plan' (O-Ringe), 'Drawing no.', 'Drawing', 'Check plan descr.', 'Checkplan type' (Goods received), 'Checkplan group', and 'Order fields' (WE Auftragsfelder). The 'State' is 'Edling' and the 'Creation date' is '18.04.2005'. Below this, a table lists 'Processes' with columns for 'Process', 'Process Label', 'Active', 'M[TA...]', 'Inspection Place', 'Inspection type', 'Reference', 'Print', 'Drawing ID', and 'Obli...'. The table contains three rows: '0010 Identitätsprüfung WE', '0020 Zugversuch WE', and '0030 Dimensionelle Prüfung'.

- Acceso directo a la sección del Plan de chequeo del QDA



The screenshot displays the QDA 8 software interface for a control plan (PG 311) and a corresponding Microsoft Word document. The Word document contains a detailed control plan table with the following data:

PART/PROCESS NUMBER		PROCESS NAME/OPERATION DESCRIPTION	NO.	PRODUCT	PROCESS	SPECIAL CHAR. CLASS	PRODUCT/PROCESS SPECIFICATION/TOLERANCE	EVALUATION/TECHNIQUE MEASUREMENT	SAMPLE SIZE	FREQ	CONTROL METHOD	REACTION PLAN
0070	Ausgangskontrolle		3	Verpackung		IO/HIO		visuelle Kontrolle	Pro	nach WV 1-133	L 0192-46	
0070	Ausgangskontrolle		4	Aufdruck		IO/HIO		visuelle Kontrolle	Pro	nach AA 99-2-1	L 0192-44	
0080	Papiere vorhanden		1	Lieferpapiere an den Kunden		IO/HIO						
0080	Papiere vorhanden		2	Vollständige Lieferans	KC	IO/HIO						

- Opción de impresión utilizando ficheros \*.dot, \*.xls y word

- Todas las impresiones se salvan como documentos adjuntos



### CONTROL PLAN

Page 4 of 23

Prototype		Pre-launch		<input checked="" type="checkbox"/> Production		Key Contact/Phone		Date (Orig)		Date (Rev)	
Control Plan Number		001		J. Davis /311-555-5555		1-26-92		2-3-92			
Part Number/Lastest Change Level		2253111/G 11-2-92		Product Development Team (B01) - See List		Customer Engineering Approval/Date (if Req'd)					
Part Name/Description		Plastic Injection Molded Grill		Supplier/Part Approval/Date		Customer Quality Approval/Date (if Req'd)					
Supplier/Plant		4-B Grill Co. Plant #3		Supplier Code		0123		Other Approval/Date (if Req'd)			

Part/Process Number	Process Name/Operation Description	Machine, Device, Jig, Tools For Mfg.	Characteristics			Special Char. Class.	Product/Process Specification/ Tolerance	Evaluation/ Measurement Technique	Methods		Control Method	Reaction Plan
			No.	Product	Process				Size	Freq.		
3	Plastic Injection Molding	Machine No. 1-5	18	Appearance		*	Free of blemishes	Visual inspection	100%	Continuous	100% inspection	Notify supervisor
							No blemishes	1st piece buy-off			Check sheet	Adjust/re-check
							flowlines	1st piece buy-off			Check sheet	Adjust/re-check
		Machine No. 1-5	19	Mounting hole loc.		*	Hole "X" location	Fixture #10	1st piece	buy-off per run	Check sheet	Adjust/re-check
							25 ± .1mm	5 pcs	hr	̄-R chart	Quarantine and adjust	
		Machine No. 1-5	20	Dimension		*	Gap 3 ± .5mm	Fixture #10	1st piece	buy-off per run	Check sheet	Adjust and rereck
			21	Perimeter fit		*	Gap 3 ± .5mm	Check gap to fixture 4 locations	5 pcs	hr	̄-R chart	Quarantine and adjust
		Machine No. 1-5	22	Set-up of mold machine			See attached set-up card	Review of set-up card and machine settings	Each set-up	1st Piece buy-off	Adjust and reset machine	
										Inspector verifies settings		

\* Reference Appendix C

EXAMPLES ARE FOR REFERENCE ONLY. REFER TO SPECIFIC CUSTOMER REQUIREMENTS.

### Dynamic Control Plan Operator Copy

Department: \_\_\_\_\_ Operation: \_\_\_\_\_ Part Name: \_\_\_\_\_ Control plan revision date: \_\_\_\_\_ Page: \_\_\_\_\_ of: \_\_\_\_\_  
 Process: \_\_\_\_\_ Machine: \_\_\_\_\_ Part Number: \_\_\_\_\_ Process sheet revision date: \_\_\_\_\_ B/P revision date: \_\_\_\_\_

Char #	Characteristic Description	Spec	C I A S S	Control Method	Current Controls	Gage desc, master, detail	Reaction Plans

### Dynamic Control Plan Master Copy

Company/Plant: \_\_\_\_\_ Department: \_\_\_\_\_ Operation: \_\_\_\_\_ Station: \_\_\_\_\_ Part Name: \_\_\_\_\_ Control plan revision date: \_\_\_\_\_ Page: \_\_\_\_\_ of: \_\_\_\_\_  
 Process: \_\_\_\_\_ Machine: \_\_\_\_\_ Part Number: \_\_\_\_\_ Process sheet revision date: \_\_\_\_\_ B/P revision date: \_\_\_\_\_

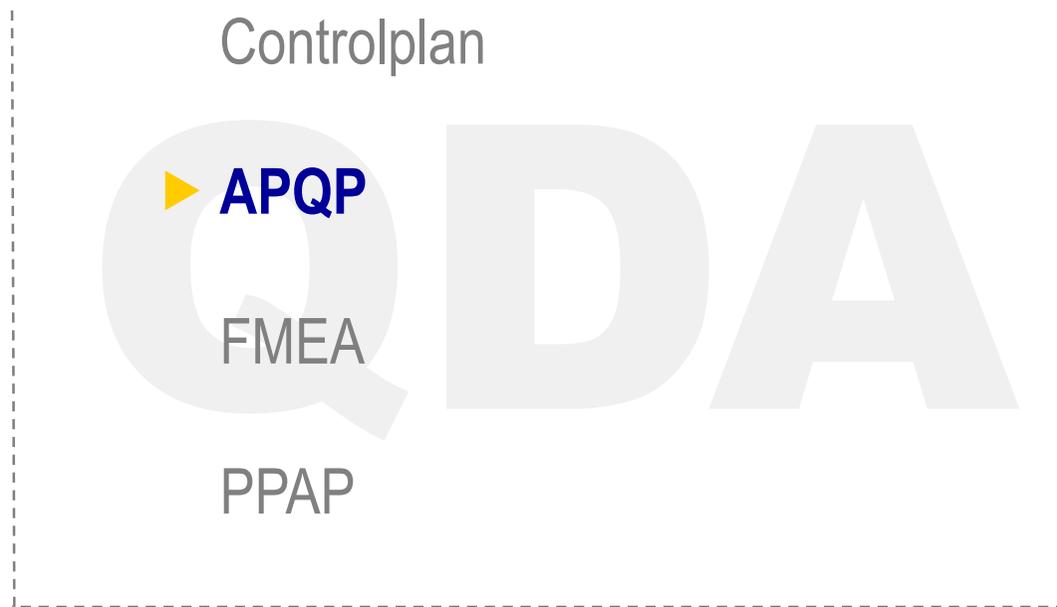
Char #	Characteristic Description (Product & Process)	Spec	TYPN	Failure Mode	Effects of Failure	S S Y	Copies of Failure	O C	Current Controls	D R E T N	Reason Action	Area Respon. & Date	Action Taken	Previous				Gage desc, master, detail	DIMAR & Data	Op/Cpk (last) & Date	Reaction Plans	
														S E Y	D E T N	C I A S S	Control Method					

### CONTROL PLAN

Page \_\_\_\_\_ of \_\_\_\_\_

Prototype		Pre-launch		<input checked="" type="checkbox"/> Production		Key Contact/Phone		Date (Orig)		Date (Rev)	
Control Plan Number		2		7		10		11			
Part Number/Lastest Change Level		3		8		12		13		14	
Part Name/Description		4		9		15		16		17	
Supplier/Plant		5		6		18		19		20	

Part/Process Number	Process Name/Operation Description	Machine, Device, Jig, Tools For Mfg.	Characteristics			Special Char. Class.	Product/Process Specification/ Tolerance	Evaluation/ Measurement Technique	Methods		Control Method	Reaction Plan
			No.	Product	Process				Size	Freq.		
15	16	17	18	19	20	21	22	23	24	25	26	



The screenshot shows the QDA 8 software interface. The main window title is "Checklists - APQP with Designresponsibility". Below the title bar, there is a menu bar with "File" and "View" options, and a toolbar with icons for New, Delete, Copy, Rename, State, and Refresh. On the left side, there is a navigation pane with categories like Configuration, Administration, Base data, Quality planning, Methods of clearance, Checklists, APQP, PPAP/PPF, FMEA, and Controlplans. The main area displays a table with the following data:

Checklist	Questions	State	Type
APQP only Production		Released	APQP
APQP with Designresponsibility		Released	APQP
APQP with Designresponsibility Version		Locked	APQP
Service Project		Editing	APQP

At the bottom of the window, there is a status bar showing "User: Admin", "Station: TETZLAFF (Standard)", and "Database: CAQ MTQ 2007 eng". The Windows taskbar at the very bottom shows the Start button, several open applications, and the system tray with the time 14:45.

- Listado de los APQP's (Lista de todos los relacionados) con su estado actual
- Dentro de ellos puedes encontrar tópicos y respuestas detalladas



The screenshot displays the QDA 8 software interface. The main window is titled 'Checklists - APQP with Designresponsibility'. It features a left-hand navigation pane with categories like Configuration, Administration, Base data, Quality planning, and Methods of clearance. The main area is split into two views: 'Table' and 'Details'.

**Table View:**

Checklist	Questions	State	Type
APQP only Production		Released	APQP
APQP with Designresponsibility		Editing	APQP
APQP with Designresponsibility Version		Locked	APQP
Service Project		Editing	APQP

**Details View:**

Checklist: APQP with Designresponsibility  
 Questions: [Empty]  
 Type: APQP  
 State: Editing

**Patterns / Stages:**

Serial no.	Stage	Duration
1	Entwicklung	
2	Prototyp	
3	Vorserie	
4	Optimierung	
5	Seienstart	

**Elements Table:**

No.	Active	Caption	Customer	Responsible	Stage	Offset end
1	<input checked="" type="checkbox"/>	Festlegen der Bezugsquelle/Kundenauftrag	<input checked="" type="checkbox"/>		Entwicklung	15
2	<input checked="" type="checkbox"/>	Kundenvorgaben	<input checked="" type="checkbox"/>		Entwicklung	15
3	<input checked="" type="checkbox"/>	Vertragsprüfung	<input type="checkbox"/>	Deina	Entwicklung	12
4	<input checked="" type="checkbox"/>	Craftmanship (Erscheinungsbild)	<input checked="" type="checkbox"/>		Entwicklung	
5	<input checked="" type="checkbox"/>	System-FMEA Produkt/Design-FMEA	<input checked="" type="checkbox"/>		Entwicklung	
6	<input checked="" type="checkbox"/>	Designprüfung	<input checked="" type="checkbox"/>		Entwicklung	
7	<input checked="" type="checkbox"/>	Design-Verifizierungs-Plan (DVP)	<input checked="" type="checkbox"/>		Entwicklung	
8	<input checked="" type="checkbox"/>	Qualitätsplanung Unterteilerant	<input type="checkbox"/>	Deina	Prototyp	
9	<input checked="" type="checkbox"/>	Einrichtungen / Werkzeuge	<input type="checkbox"/>	Lüder	Prototyp	
10	<input checked="" type="checkbox"/>	Prüfmethoden / Prüfmittel	<input type="checkbox"/>	Meier	Prototyp	
11	<input checked="" type="checkbox"/>	Notfallplan	<input type="checkbox"/>	Lüder	Prototyp	
12	<input checked="" type="checkbox"/>	Prüf-/Kontrollplan für Prototypenteile	<input type="checkbox"/>	Meier	Prototyp	
13	<input checked="" type="checkbox"/>	Herstellung und Prüfung Prototypenteile	<input type="checkbox"/>	Lüder	Prototyp	
14	<input checked="" type="checkbox"/>	Zeichnung/Spezifikationen (Design-Freeze)	<input type="checkbox"/>	Meier	Prototyp	
15	<input checked="" type="checkbox"/>	Herstellbarkeitsbestätigung	<input type="checkbox"/>	Deina	<input checked="" type="checkbox"/> Vorserie	
16	<input checked="" type="checkbox"/>	Prozessflussdiagramm Layout Serie	<input type="checkbox"/>	Meier	<input type="checkbox"/> Vorserie	
17	<input checked="" type="checkbox"/>	Logistik/Zuliefererkonzept	<input type="checkbox"/>	Markwitz	<input type="checkbox"/> Vorserie	
18	<input checked="" type="checkbox"/>	Prozessentwicklung/Process Freeze	<input type="checkbox"/>	Meier	<input type="checkbox"/> Vorserie	
19	<input checked="" type="checkbox"/>	System-FMEA Prozess / Process FMEA	<input type="checkbox"/>	Meier	<input type="checkbox"/> Vorserie	

- Revisión de los temas y tópicos



QDA 8

File View ?

Configuration  
Administration  
Base data  
Quality planning

Methods of clearance  
Checklists  
APQP  
PPAP/PPF  
FMEA  
Controlplans

Inspection concept  
Gauge administration  
Data input  
Inspection documents  
Evaluation  
Evaluation II  
RDS

### Checklists - APQP with Designresponsibility

Table Details

Checklist: APQP with Designresponsibility  
 Questions:  
 Type: APQP  
 State: **Editing**

Patterns Stages

Serial no.	Stage	Duration
1	Entwicklung	
2	Prototyp	
3	Vorserie	
4	Optimierung	
5	Serienstart	

Elements

Table Details

No.: 2  
 Caption: Customer wishes  
 Responsible:  ...  
 Customer  
 Duration: 5  Active  
 Stage: Development  ...

Template file (1): DMIS Output P12.dot ...  
 Template file (2): FedernBrand.dot ...  
 Template file (3): GP Prüfbericht Vorlage besch1.dot ...  
 Template file (4): BIS Stamm.dot ...  
 Template file (5):  ...  
 Offset end: 15

No.	Active	Question	Hint
1	<input checked="" type="checkbox"/>	Drawing exist?	
2	<input checked="" type="checkbox"/>	Exist technical specification(TL's)?	
3	<input checked="" type="checkbox"/>	Basic knowledge about enviroment?	

User: Admin Station: TETZLAFF (Standard) Database: CAQ MTQ 2007 eng

Start QDA 8 (CAQ MTQ... QDA-APQP PPAP ... C:\APP\Wormen\Q... APQP\_e.pdf QS Begriffe deuts... DE 14:53

- Preguntas de los temas
- Responsabilidad des predefinidas



QDA 8

File Edit View Extra functions ?

Configuration  
Administration  
Base data  
Quality planning

Methods of clearance  
Checklists  
APQP  
PPAP/PPF  
FMEA  
Controlplans

Inspection concept  
Gauge administration  
Data input  
Inspection documents  
Evaluation  
Evaluation II  
RDS

APQP - APQP/05/003

Table | Details

Drag a column header here to group by that column

APQP	Item	Customer...	Customer	Start date	Project ma...	Drawing no.	End date	State	Create...	Creation date
APQP-0010001	60" Flansch	D000003	Adam Opel AG	17.02.2007	Admin	334111-22-3	07.08.2006	New	Admin	17.02.2007
APQP-0010002	45" Flansch	D000007	Continental AG	17.02.2007	Admin	123111-99-9	07.06.2007	New	Admin	17.02.2007
APQP/05/002	MN 311062	0002	Unimerco	15.04.2005	Admin	4345-99-C-002	11.08.2005	Editing	Admin	23.04.2005
APQP/05/003	000001/01	0002	Unimerco	14.04.2005	Admin	A-654654646-LLLLK	13.08.2005	Editing	Admin	25.04.2005
APQP_05_001	MN 311062	0002	Unimerco	18.07.2006	Admin	4345-99-C-002	27.07.2006	Editing	Admin	25.04.2005
APQP_05_002	MN 311062	D000038	Herstad + Piper A/	14.09.2006	Admin	4345-99-C-002	21.10.2006	New	Admin	14.09.2006

User: Admin Station: TETZLAFF (Standard) Database: CAQ MTQ 2007 eng

Start QDA 8 (CAQ MTQ... QDA-APQP PPAP ... C:\APP\Normen\Q... APQP\_e.pdf QS Begriffe de... DE 14:55

- Listado de los APQP y situación



**QDA 8**  
File Edit View Extra functions ?

Configuration  
Administration  
Base data  
Quality planning

Methods of clearance  
Checklists  
APQP  
PPAP/PPF  
FMEA  
Controlplans

Inspection concept  
Gauge administration  
Data input  
Inspection documents  
Evaluation  
Evaluation II  
RDS

**APQP - APQP/05/003**

Table Details

APQP: APQP/05/003  
Customer no.: 0002  
Customer: Unimerco  
Item: 000001/01  
Caption: 7300035794  
Drawing no.: A-65465464-LLLL  
State: **Editing**  
Project manager: Admin  
Start: 14.04.2005  
To be finished: 13.08.2005

Project team | Customer team | Remark | Addition | PPAP/PPF | Stages

No.	Full name	E-mail	Phone
1	Sven Tetzlaff		
6	Franz Meier	Franz.Meier@ddw.de	0451 6107722

Topics | Gantt view

Drag a column header here to group by that column

Serial ...	Active	Caption	Start date	End date	Controle...	Durat...	State	Actual end
1	<input checked="" type="checkbox"/>	Festlegen der Bezugsquelle/Kundenauftrag	19.04.2005	01.05.2005	Customer	1	Complete	25.04.2005
2	<input checked="" type="checkbox"/>	Kundenvorgaben	19.04.2005	29.04.2005	Customer	1	Complete	25.04.2005
3	<input checked="" type="checkbox"/>	Vertragsprüfung	19.04.2005	01.05.2005	Derna	1	Complete	25.04.2005
5	<input checked="" type="checkbox"/>	System-FMEA Produkt/Design-FMEA	19.04.2005	01.05.2005	Lüder	1	Complete	25.04.2005
6	<input checked="" type="checkbox"/>	Designprüfung	19.04.2005	01.05.2005	Customer	1	Editing	
7	<input checked="" type="checkbox"/>	Design-Verifizierungs-Plan (DVP)	19.04.2005	01.05.2005	Customer	1	Editing	
8	<input checked="" type="checkbox"/>	Qualitätsplanung Unterlieferant	21.04.2005	25.05.2005	Derna	1	Editing	
9	<input checked="" type="checkbox"/>	Einrichtungen / Werkzeuge	01.05.2005	25.05.2005	Lüder	1	New	
10	<input checked="" type="checkbox"/>	Prüfmethoden / Prüfmittel	01.05.2005	25.05.2005	Meier	1	New	
12	<input checked="" type="checkbox"/>	Prüf-/Kontrollplan für Prototypenteile	01.05.2005	25.05.2005	Meier	1	New	
13	<input checked="" type="checkbox"/>	Herstellung und Prüfung Prototypenteile	01.05.2005	25.05.2005	Lüder	1	New	
14	<input checked="" type="checkbox"/>	Zeichnung/Spezifikationen (Design-Freeze)	01.05.2005	25.05.2005	Meier	1	New	
15	<input checked="" type="checkbox"/>	Herstellbarkeitsbestätigung	25.05.2005	14.06.2005	Derna	1	New	

User: Admin | Station: TETZLAFF (Standard) | Database: CAQ MTQ 2007 eng

Start | QDA 8 (CAQ MTQ...) | QDA-APQP PPAP ... | C:\APP\Normen\Q... | APQP\_e.pdf | QS Begriffe de... | DE | 14:55

- APQP activos y su situación, como historial



The screenshot shows the QDA 8 software interface. The main window displays 'APQP - APQP/05/003' with a 'Table' tab selected. An 'Edit' dialog box is open, showing the following details:

- Element:**
  - Serial no.: 5
  - Caption: System-FMEA Produkt/Design-FMEA
  - Start date: 19.04.2005
  - End date: 01.05.2005
  - Controlled by: Lüder
  - State: Complete
  - Actual end: 25.04.2005
- Remark:** Customer request was noticed. Document 899080 attached.
- Questions Table:**

S...	Question	Hint	Remark	answers
1	Wurde die System-FMEA und/oder Design-FMEA unter Verwendung des Chrysler, Ford und General Motors Referenzhandbuchs Fehler- Möglichkeits- und Einflußanalyse (FMEA) vorbereitet.		Call customer!	OK
2	Sind die Daten aus vorherigen Aktivitäten und Garantiefällen berücksichtigt worden?			OK
3	Sind Design-FMEA's für ähnliche Teile berücksichtigt worden?			OK
4	Identifiziert die System-FMEA und/oder Design-FMEA die besonderen Merkmale?			OK

The bottom of the interface shows the Windows taskbar with the Start button, several open applications (QDA 8, QDA-APQP PPAP, C:\APP\Normen\Q..., APQP\_e.pdf, QS Begriffe deuts...), and the system clock at 14:58.

- Preguntas contestadas, con sus responsables



QDA 8

File Edit View Extra functions ?

Configuration Administration Base data Quality planning

Methods of clearance Checklists APQP PPAP/PPF FMEA Controlplans

Inspection concept Gauge administration Data input Inspection documents Evaluation Evaluation II RDS

APQP - APQP/05/003

Table Details

APQP: APQP/05/003

Customer no.: 0002

Customer: Unimerco

Item: 000001/01

Caption: 7300035794

Drawing no.: A-654654646-LLLLK

State: Editing

Project manager: Admin

Start: 14.04.2005

To be finished: 13.08.2005

Project team Customer team Remark Addition PPAP/PPF Stages

PPF/PPAP No

To be finished

Method

Submission level

Topics Gantt view

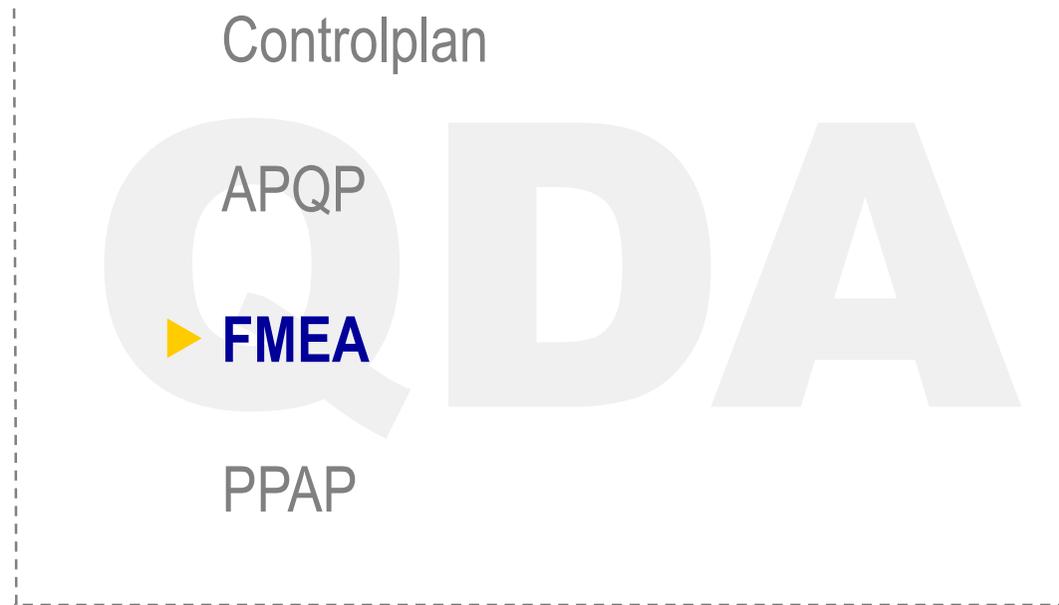
Id...	Active	Caption	1	2	3	4	5
1	<input checked="" type="checkbox"/>	Festlegen der Bezugsquelle/Kundenauftrag	█				
2	<input checked="" type="checkbox"/>	Kundenvorgaben	█				
3	<input checked="" type="checkbox"/>	Vertragsprüfung	█				
5	<input checked="" type="checkbox"/>	System-FMEA Produkt/Design-FMEA	█				
6	<input checked="" type="checkbox"/>	Designprüfung	█				
7	<input checked="" type="checkbox"/>	Design-Verifizierungs-Plan (DVP)	█				
8	<input checked="" type="checkbox"/>	Qualitätsplanung Unterlieferant		█			
9	<input checked="" type="checkbox"/>	Einrichtungen / Werkzeuge		█			
10	<input checked="" type="checkbox"/>	Prüfmethoden / Prüfmittel		█			
12	<input checked="" type="checkbox"/>	Prüf-/Kontrollplan für Prototypenteile		█			
13	<input checked="" type="checkbox"/>	Herstellung und Prüfung Prototypenteile		█			
14	<input checked="" type="checkbox"/>	Zeichnung/Spezifikationen (Design-Freeze)		█			
15	<input checked="" type="checkbox"/>	Herstellbarkeitsbestätigung			█		
16	<input checked="" type="checkbox"/>	Prozessflussdiagramm Layout Serie			█		
17	<input checked="" type="checkbox"/>	Logistik/Zulieferkonzept			█		

User: Admin Station: TETZLAFF (Standard) Database: CAQ MTQ 2007 eng

Start QDA 8 (CAQ MTQ 2... QDA-APQP PPAP F... C:\APP\Normen\QS... APQP\_e.pdf QS Begriffe deustc... DE 15:00

- Visión Gráfica son con hitos





The screenshot shows the QDA 8 software interface. The main window displays an FMEA table for the process 'Schaft schleifen' (Shaft grinding). The table includes columns for Systemelemente, Error, Pot. Effect, S, Root cause, D, Prevention, Detection, D, R..., T., and Act. The table contains five rows of data, each representing a different error mode and its associated risk and prevention/detection measures.

Systemelemente	Error	Pot. Effect	S	Root cause	D	Prevention	Detection	D	R...	T.	Act
Schaft schleifen	Schaftdurchmesser zu groß	Kugelzapfen Montage im Auto nicht möglich	7	--	3		Stichprobenprüfung gemäß Prüfplan, elektronische Messung und Nachstellung in der Schleifmaschine, SPC über MODAS	2	42		
Schaft schleifen	Schaftdurchmesser zu klein	Kugelzapfen Befestigung des Gelenkes im Fahrzeug nicht optimal möglich	7	--	3		Stichprobenprüfung gemäß Prüfplan, elektronische Messung und Nachstellung in der Schleifmaschine, SPC über MODAS	2	42	P	
Schaft schleifen	Rauhtiefe des Schaftes zu groß	Kugelzapfen Bruchgefahr erhöht durch Kerbwirkung	6	--	3		Stichprobenprüfung gemäß Prüfplan, Aufzeichnung der Oberflächenstruktur.	4	72		
Schaft schleifen		Kugelzapfen	1	--	1			1	1		

At the bottom of the window, the status bar shows: User: Admin, Station: TETZLAFF (Standard), Database: CAQ MTQ 2007 eng. The Windows taskbar at the very bottom shows the Start button and several open applications including 'QDA 8 (CAQ MTQ 2...', 'QDA-APQP PPAP F...', 'C:\APP\Normen\QS...', 'APQP\_e.pdf', and 'QS Begriffe deutc...'. The system clock shows 15:04.

- Vista del FMEA cambiando de normas VDA, QS 9000, ISO/S 16949 (opcional otras posibilidades)
- R referenciado al FMEA



QDA 8

File View Extra functions ?

State

**FMEA - Massnahmen**

Table Details List of Actions Action

Stammdaten A

Systemelement

Systemelement

Kugelza  
Kug  
Ring  
Riss  
Sch  
Kug  
R  
Neu  
Neu  
Neu

Root cause

Current assessment Severity  Occurrence  Detection  RPN

Description Vorbearbeitungsmaß nicht i. O. Drehmaschine falsch eingerichtet

Planned assessment Severity  Occurrence  Detection  RPN

Action

Type of action Vermeidung

Planned New SPC technic, Increase sample size.

Realized

Responsible

Responsible Müller

Start 17.02.2007

To be finished 18.02.2007 Entered by Admin 17.02.2007

State New Ending date

Ok Cancel

Detection D R... T... Act

Stichprobenprüfung gemäß Prüfplan	5	15
Stichprobenprüfung gemäß Prüfplan	5	90
Stichprobenprüfung gemäß Prüfplan, Aufzeichnung der Oberflächenstruktur.	4	48

User: Admin Station: TETZLAFF (Standard) Database: CAQ MTQ 2007 eng

Start QDA 8 (CAQ MTQ 2... QDA-APQP PPAP F... C:\APP\Normen\QS... APQP\_e.pdf QS Begriffe deutsc... DE 15:05

- Definiendo Acciones



QDA 8

File View Extra functions ?

FMEA - Kugelzapfen (1)

Table Details

Stammdaten Analyse

Systemelement Ringnut glätten Status Released

Systemelemente	Severity	Prevention	Detection	D	R...	T...	Action	Responsible	To be finis...	D	D	R...
Kugelzapfen												
Kugel und Schaft kopier												
Ringnut glätten	3		Stichprobenprüfung gemäß Prüfplan	5	15							
Rissprüfung												
Schaft schleifen												
Kugel glätten												
Neues Systemelement (f)	3		Stichprobenprüfung gemäß Prüfplan	5	90	P	New SPC technic, Increase sample size.	Müller	18.02.2007	3	2	36
Neues Systemelement												
Neues Systemelement												
Neues Systemelement												
es	3		Stichprobenprüfung gemäß Prüfplan, Aufzeichnung der Oberflächenstruktur.	4	48							
anges zu groß												

User: Admin Station: TETZLAFF (Standard) Database: CAQ MTQ 2007 eng

- Después de liberar las acciones, el RPN se calcula de nuevo



**QDA 8**  
File View Extra functions ?

**FMEA - Kugelzapfen (3)**

Table Details

Stammdaten Analyse

FMEA: Kugelzapfen  
 FMEA Caption:   
 FMEA Type: Prozess-FMEA (QS-9000) ...  
 Item: MN 311062 ...

Created by: Admin  
 Creation date: 21.04.2005 12:38:48

Project team Addition Versions Massnahmen Referenzen

Version	Status	Remark	Changed at	Modified by
3	Editing		22.04.2005	Admin
2	Released	rdzg qwrt	22.04.2005	Admin
1	Released		22.04.2005	

**Freigeben**

Bemerkung  
 Action not ended yet.

OK  
 Abbrechen

Abgeschlossene Maßnahmenblöcke  
 Geplante Bewertungszahlen (A, E, RPZ) übernehmen  
 "Durchgeführt"-Felder übernehmen

Order	Kind of Order	State	Check plan	Cha
2341234324	Measuring capability	Ready for measuri	SPC Prüfung PG MN311	
MN 311062 Stand 02/04-0	SPC	Decision made	SPC Prüfung PG MN311	
MN 311062 Stand 04/04-0	SPC	In measuring	SPC Prüfung PG MN311	
MN 311062 Werkzeugwec	SPC	Ready for measuri	Werkzeugwechsel PG MN	
Neue MSA KKÖLKÖ	Measuring capability	Ready for measuri	SPC Prüfung PG MN311	21.12.2005

User: Admin Station: TETZLAFF (Standard) Database: CAQ MTQ 2007 eng

Start QDA 8 (CAQ MTQ 2... QDA-APQP PPAP F... C:\APP\Normen\QS... APQP\_e.pdf QS Begriffe deutc... DE 15:08

- FMEA liberados
- Los cambios se salvan



QDA 8

File View Extra functions ?

FMEA - Kugelzapfen (3)

Table Details

Stammdaten Analyse

FMEA: Kugelzapfen

FMEA Caption:

FMEA Type: Prozess-FMEA (QS-9000)

Item: MN 311062

Created by: Admin

Creation date: 21.04.2005 12:38:48

Project team Addition Versions Massnahmen Referenzen

Version	Status	Remark	Changed at	Modified by
3	Editing		22.04.2005	Admin
2	Released	rdzg qwrt	22.04.2005	Admin
1	Released		22.04.2005	

Freigeben

Bemerkung

Action not ended yet.

OK

Abbrechen

Abgeschlossene Maßnahmenblöcke

Geplante Bewertungszahlen (A, E, RPZ) übernehmen

"Durchgeführt"-Felder übernehmen

Check plans Complaints Orders

Drag a column header here to group by that column

Order	Kind of Order	State	Check plan	Cha
▶ 2341234324	Measuring capability	Ready for measuri	SPC Prüfung PG MN311	
MN 311062 Stand 02/04-0	SPC	Decision made	SPC Prüfung PG MN311	
MN 311062 Stand 04/04-0	SPC	In measuring	SPC Prüfung PG MN311	
MN 311062 Werkzeugwec	SPC	Ready for measuri	Werkzeugwechsel PG MN	
Neue MSA KKÖLKÖ	Measuring capability	Ready for measuri	SPC Prüfung PG MN311	21.12.2005

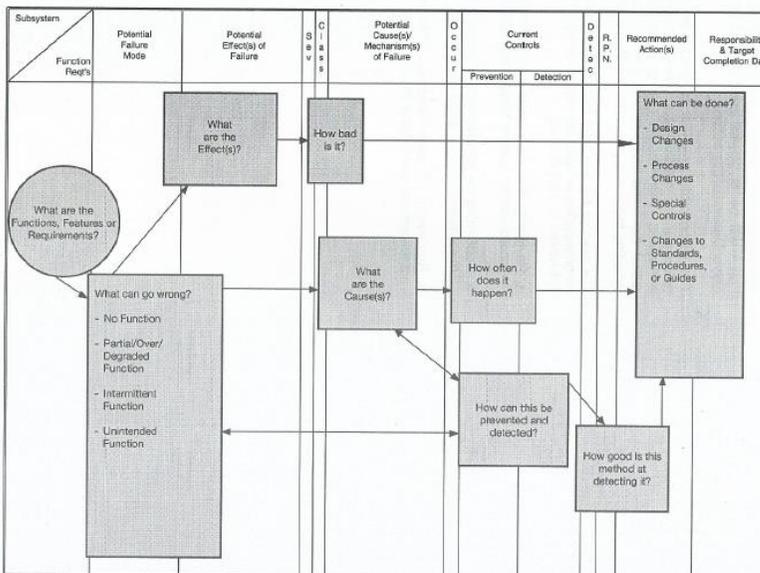
User: Admin Station: TETZLAFF (Standard) Database: CAQ MTQ 2007 eng

Start QDA 8 (CAQ MTQ 2... QDA-APQP PPAP F... C:\APP\Normen\QS... APQP\_e.pdf QS Begriffe deusch... DE 15:08

- Añadir datos de medidas por días, semanas, meses y registrar criterios de búsqueda (OP, máquina, usuario, etc.)



POTENTIAL FAILURE MODE AND EFFECTS ANALYSIS SEQUENCE



**POTENTIAL FAILURE MODE AND EFFECTS ANALYSIS (DESIGN FMEA)**

System: X-Subsystem (2)

Component: 01.09/Body Circures (5)

Design Responsibility: Body Engineering (3)

Key Date: 8X\_03\_01\_ER (6)

Model Year(s)/Vehicle(s): 199X/1.0n\_4dr/Wagon

Prepared By: A. Tate - X6412- Body Engr (4)

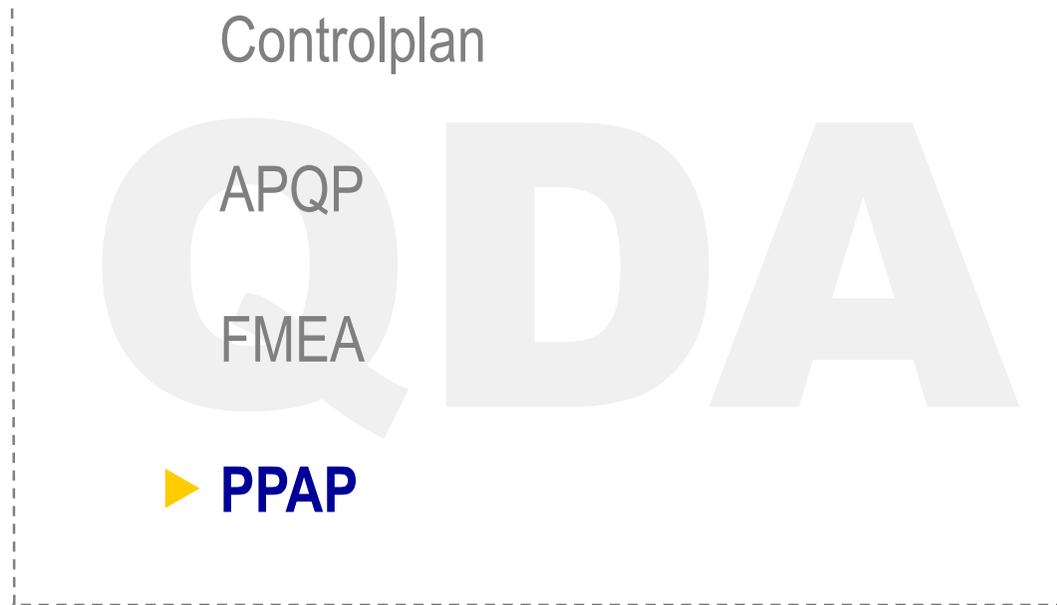
FMEA Number: 1234 (1)

Page 1 of 1

FMEA Date (Orig): 8X\_03\_22 (Rev): 8X\_07\_14 (7)

Core Team: T. Feender-Car Product Dev., Childers-Manufacturing, J. Ford-Assy Ops (Dalton, Fraser, Herley Assembly Plants) (8)

Item (8) Function	Potential Failure Mode (10)	Potential Effects(s) of Failure (11)	Severity (12)	Potential Cause(s)/ Mechanism(s) of Failure (13) (14)	Occur (15)	Current Design Controls Prevention (16)	Current Design Controls Detection (17) (18)	D s t r i b u t i o n P. N. (19)	Recommended Action(s) (20)	Responsibility & Target Completion Date (21)	Action Results (22)							
											Actions Taken (23)	S e v e r i t y	O c c u r r e n c e	D e t e c t i o n	R e s p o n s i b i l i t y P. N.			
Front Door L.H. H84X-0000-A	Corroded interior lower door panels	Deteriorated life of door leading to: • Unsatisfactory appearance due to rust through-paint over time • Impaired function of interior door hardware	7	Upper edge of protective wax application specified for liner door panels is too low	6		Vehicle general durability test veh. T-118 T-109 T-301	7	294	Add laboratory accelerated corrosion testing	A Tate-Body Engr BX 09 30	Based on test results (Test No. 1481) upper edge spec raised 125mm	7	2	2	28		
				Insufficient wax thickness specified	4		Vehicle general durability testing as above	7	196	Add laboratory accelerated corrosion testing	Conduct Design of Experiments (DOE) on wax thickness	A Tate Body Engr 9X 01 15	Test results (Test No. 1481) show specified thickness is adequate. DOE shows 25% variation in specified thickness is acceptable.	7	2	2	28	
				Inappropriate wax formulation specified	2		Physical and Chem Lab test- Report No.1265	2	28	None								
				Entrapped air prevents wax from entering corner/edge access	5		Design aid investigation with non-functioning spray head	8	280	Add team evaluation using production spray equipment and specified wax	Body Engr & Assy Ops BX 11 15	Based on test, 3 additional vent holes provided in affected areas	7	1	3	21		
				Insufficient room between panels for spray head access	4		Drawing evaluation of spray head access	4	112	Add team evaluation using design aid buck and spray head	Body Engr & Assy Ops BX 09 15	Evaluation showed adequate access	7	1	1	7		
				Support anchorage for door hardware including mirror, hinges, latch and window regulator	7		Provides proper surface for appearance items											



QDA 8

File View ?

New Delete Copy Rename

Configuration Administration Base data Quality planning

Methods of clearance

Checklists APQP PPAP/PPF FMEA Controlplans

Inspection concept Gauge administration Data input Inspection documents Evaluation Evaluation II RDS

Station: TETZLAFF (Standard) Database: CAQ MTQ 2007 eng

User: Admin

Start QDA 8 (CAQ MTQ 2... QDA-APQP PPAP F... C:\APP\Normen\QS... APQP\_e.pdf QS Begriffe deutsc... DE 15:11

### Methods of clearance - PPAP QS9000

Table Details

Drag a column header here to group by that column

System norm	Read only	VDA or PPAP	Active
VDA6.2 2004	<input type="checkbox"/>	PPF (VDA)	<input checked="" type="checkbox"/>
PPAP QS9000	<input checked="" type="checkbox"/>	PPAP (QS 9000)	<input checked="" type="checkbox"/>
Release R&D Part QS 9000	<input type="checkbox"/>	PPAP (QS 9000)	<input checked="" type="checkbox"/>
Release R&D Part VDA	<input type="checkbox"/>	PPF (VDA)	<input checked="" type="checkbox"/>
Release Standard Part QS9000	<input type="checkbox"/>	PPAP (QS 9000)	<input checked="" type="checkbox"/>
Freigabe Standardteil (S / R) VDA	<input type="checkbox"/>	PPF (VDA)	<input checked="" type="checkbox"/>
Freigabe Kaufteil (S / R) QS 9000	<input type="checkbox"/>	PPAP (QS 9000)	<input checked="" type="checkbox"/>
Freigabe Kaufteil (S / R) VDA	<input type="checkbox"/>	PPF (VDA)	<input checked="" type="checkbox"/>
Freigabe Oberflächen (S / R) QS 9000	<input type="checkbox"/>	PPAP (QS 9000)	<input checked="" type="checkbox"/>
Freigabe Oberflächen (S / R) VDA	<input type="checkbox"/>	PPF (VDA)	<input checked="" type="checkbox"/>
Freigabe Rohmaterial (S / R) QS 9000	<input type="checkbox"/>	PPAP (QS 9000)	<input checked="" type="checkbox"/>
Freigabe Rohmaterial (S / R) VDA	<input type="checkbox"/>	PPAP (QS 9000)	<input checked="" type="checkbox"/>

- Lista del conjunto de PPAP predefinidos



The screenshot displays the QDA 8 software interface for 'Methods of clearance - PPAP QS9000'. It features a sidebar with navigation options like 'Configuration', 'Administration', 'Base data', and 'Quality planning'. The main window shows a table of requests and a detailed view of 'Stufe 3' with columns for 'No.', 'Request', and stages 1 through 5. A legend at the bottom explains the status codes used in the table.

Request	Caption	Placeholder	Type	Printing template	Controlled by	To be finished
1	Designaufzeichnungen	F1	Dokumente			0.0
2	Designänderungen	F2	Dokumente			0.0
3	Freigabe durch den Kunden	F3	Dokumente			0.0
4	Konstruktions-FMEA	F4	FMEA			0.0
5	Prozessflussdiagramme	F5	Dokumente			0.0
6	Prozess-FMEA	F6	FMEA			0.0
7	Messergebnisse	F7	Messergebnisse			0.0
8	Material- und Leistungstests	F8	Messergebnisse			0.0
9	Kurzzeitfähigkeit	F9	Messergebnisse			0.0
10	Analyse von Messsystemen (MSA)	F10				
11	Zertifikate von Laboratorien	F11				
12	Control Plan	F12				
13	Teilevorlage Bestätigung (PSW)	F13				
14	Freigabe des Aussehens	F14				
15	Liste für verfahrenstechnische Produkte	F15				
16	Muster-Serienteile	F16				
17	Referenzmuster	F17				
18	Spezifische Prüfmittel	F18				
19	Kundenspezifische Forderungen	F19				

No.	Request	(1) Stufe 1	(2) Stufe 2	(3) Stufe 3	(4) Stufe 4	(5) Stufe 5
1	Designaufzeichnungen	X/R	X/S	X/S	*	X/R
2	Designänderungen	X/R	X/S	X/S	*	X/R
3	Freigabe durch den Kunden	X/R	X/R	X/S	*	X/R
4	Konstruktions-FMEA	X/R	X/R	X/S	*	X/R
5	Prozessflussdiagramme	X/R	X/R	X/S	*	X/R
6	Prozess-FMEA	X/R	X/S	X/S	*	X/R
7	Messergebnisse	X/R	X/S	X/S	*	X/R
8	Material- und Leistungstests	X/R	X/S	X/S	*	X/R
9	Kurzzeitfähigkeit	X/R	X/R	X/S	*	X/R
10	Analyse von Messsystemen (MSA)	X/R	X/R	X/S	*	X/R
11	Zertifikate von Laboratorien	X/R	X/S	X/S	*	X/R
12	Control Plan	X/R	X/R	X/S	*	X/R
13	Teilevorlage Bestätigung (PSW)	X/S	X/S	X/S	X/S	X/R
14	Freigabe des Aussehens	X/S	X/S	X/S	*	X/R
15	Liste für verfahrenstechnische Produkte	X/R	X/R	X/R	*	X/R
16	Muster-Serienteile	X/R	X/S	X/S	*	X/R
17	Referenzmuster	X/R	X/R	X/R	*	X/R
18	Spezifische Prüfmittel	X/R	X/R	X/R	*	X/R
19	Kundenspezifische Forderungen	X/R	X/R	X/S	*	X/R

Legend:  
 X/S = Has to be delivered to customer  
 X/R = For inspection  
 X = For expectation on demand  
 V = To arrange with customer  
 (n/A) = not needed

- Los pasos QS 9000 y niveles con descripción de qué hacer



The screenshot displays the QDA 8 software interface. The main window is titled 'Methods of clearance - VDA6.2 2004'. It features a sidebar with navigation icons for various quality management tools like Checklists, APQP, PPAP/PPF, FMEA, and Controlplans. The main area shows a table of inspection methods. A second window is overlaid, providing a detailed view of the 'Standard' for 'Stufe 2'. This window includes a table with columns for 'Request', '(1) Stufe 1', '(2) Stufe 2', and '(3) Stufe 3'. The table lists 24 different inspection methods and their required status at each stage. A legend at the bottom explains the status codes: X/S (Has to be delivered to customer), I (For inspection), V (To arrange with customer), and n/A (not needed).

No.	Request	(1) Stufe 1	(2) Stufe 2	(3) Stufe 3
1	Maßprüfung	n/A	V	V
2	Funktionsprüfung	n/A	V	V
3	Werkstoffprüfung	n/A	V	V
4	Haptikprüfung	n/A	V	V
5	Akustikprüfung	n/A	V	V
6	Geruchsprüfung	n/A	V	V
7	Aussehensprüfung	n/A	V	V
8	Oberflächenprüfung	n/A	V	V
9	EMV-Prüfung	n/A	V	V
10	Zuverlässigkeitsprüfung	n/A	V	V
11	Design-FMEA	n/A	n/A	X/R
12	Konstruktionsfreigabe	n/A	X/S	V
13	Prozess-FMEA	n/A	n/A	X/R
14	Prozessablaufdiagramm	n/A	X/S	X/S
15	Produktionslenkungsplan	n/A	n/A	n/A
16	Prozessfähigkeitsnachweis	n/A	V	V
17	Prüfmitteliste	n/A	n/A	X/S
18	Prüfmittelfähigkeitsnachweis	n/A	n/A	V
19	EU-Sicherheitsdatenblatt	V	V	V
20	Materialdatenblatt (Deckblatt)	X/S	X/S	X/S
21	Transportmittel/Verpackung	n/A	V	V
22	Zertifikate	n/A	n/A	V
23	Prozessabnahme	n/A	n/A	V
24	Sonstiges	n/A	n/A	V

- Los pasos VDA y niveles con descripción de qué hacer



The screenshot shows the QDA 8 software interface. The main window displays a table of PPAP records for customer EMPB-1008. A 'New' dialog box is open, allowing the user to create a new record. The dialog fields are as follows:

- PPF/PPAP No: 06 1004
- Methods of clearance: PPAP QS9000
- Submission level: Stufe 4
- Item: MN 311062
- Customer no.: D000008
- Customer: Continental AG
- To be finished: 18.02.2007

A calendar widget is also visible, showing the month of February 2007. The current date is 17.02.2007, indicated by the text 'Heute: 17.02.2007'.

PPF/PPAP No	Method	State	Submission level	Item	Caption	Drawing no.	Date of usage
06 1001	Freigabe Kautteil (S / R) VDA	Decision made	FDZ - 5x	MN 311062			18.12.2006
06 1002	Freigabe Oberflächen (S / R) QS 9000	New	FDZ - 5x	04311-107-09/J			
06 1003	Freigabe Zeichnungsteil (S / R) VDA	New		MN 311062			
EMPB-1006	VDA6.2 2004	Editing	Stufe 3	60° Flansch			
EMPB-1008	Freigabe Zeichnungsteil (S / R) QS 9000	Editing		MN 311062			
EMPB-1009	PPAP						
EMPB-1012	VDA						

- Inicio de creación de un PPAP



QDA 8

File View Extra functions ?

Configuration  
Administration  
Base data  
Quality planning

Methods of clearance  
Checklists  
APQP  
PPAP/PPF  
FMEA  
Controlplans

Inspection concept  
Gauge administration  
Data input  
Inspection documents  
Evaluation  
Evaluation II  
RDS

User: Admin Station: TETZLAFF (Standard) Database: CAQ MTQ 2007 eng

### PPF/PPAP Customer - EMPB-1009

Table Details

PPF/PPAP No	EMPB-1009	Decisions	Addition	Remark	Delivery notes
Item	MN 311062	Order no.	890-5666-0		
Caption		Date of order	11.09.2006		
Drawing no.		Delivery notes No	787766		
Drawing		Delivery date	27.11.2006		
Customer no.	D000021	Delivery quantity	4		
Customer		Sample weight	6 Kg		
Reason of PPAP		Charge	07778677		
To be finished	26.05.2006	Buyer			
Controlled by		IMDS-No			

First page Demands

<p>PPAP Notes 1</p> <p><input checked="" type="radio"/> Yes</p> <p><input type="radio"/> No</p>	<p>Reason for submission</p> <p><input type="checkbox"/> Initial submission</p> <p><input type="checkbox"/> Engineering change</p> <p><input type="checkbox"/> Tooling</p> <p><input type="checkbox"/> Correction of Discrepancy</p> <p><input type="checkbox"/> Tooling inactive</p> <p><input type="checkbox"/> Change of optional construction of materials</p> <p><input type="checkbox"/> Sub-supplier or material source change</p> <p><input checked="" type="checkbox"/> Change of part processing</p> <p><input type="checkbox"/> Parts produced at additional location</p> <p><input type="checkbox"/> Other - please specify</p>	<p>Submission results</p> <p><input type="checkbox"/> Dimensional measurements</p> <p><input checked="" type="checkbox"/> Material or functional test</p> <p><input type="checkbox"/> Appearance criteria</p> <p><input checked="" type="checkbox"/> Statistical process</p>
<p>PPAP Notes 2</p> <p><input type="radio"/> Yes</p> <p><input checked="" type="radio"/> No</p>	<p>Submission information</p> <p><input checked="" type="checkbox"/> Dimensional</p> <p><input checked="" type="checkbox"/> Materials and functional</p> <p><input checked="" type="checkbox"/> Appearance</p>	
<p>Safety and government regulations</p> <p><input checked="" type="radio"/> Yes</p> <p><input type="radio"/> No</p>	<p>These results meet all drawing and spec. requirements</p> <p><input checked="" type="radio"/> Yes</p> <p><input type="radio"/> No</p>	

- Seleccionar razones para un PPAP



The screenshot shows the QDA 8 software interface. The main window title is "PPF/PPAP Customer - EMPB-1009". The interface is divided into several sections:

- Left Sidebar:** Contains navigation icons for "Methods of clearance", "Checklists", "APQP", "PPAP/PPF", "FMEA", and "Controlplans". At the bottom, there are buttons for "Inspection concept", "Gauge administration", "Data input", "Inspection documents", "Evaluation", "Evaluation II", and "RDS".
- Top Menu:** "File", "View", "Extra functions ?".
- Configuration Administration Base data Quality planing** (sub-menu).
- Main Data Fields:**
  - PPF/PPAP No: EMPB-1009
  - Item: MN 311062
  - Order no.: 890-5666-0
  - Date of order: 11.09.2006
  - Delivery notes No: 787766
  - Delivery date: 27.11.2006
  - Delivery quantity: 4
  - Sample weight: 6 Kg
  - Charge: 07778677
  - Buyer: [empty]
  - IMDS-No: [empty]
- Demands Table:**

N.	Caption	Type	Request	State	Controlled by	To be finis
1	Designaufzeichnungen	Documents	To be delivered to custome	Complete	Meier	26.05.2001
2	Designänderungen	Documents	To be delivered to custome	Complete	Peter	26.05.2001
3	Freigabe durch den Kunden	Documents	To be delivered to custome	Complete		26.05.2001
4	Konstruktions-FMEA	FMEA	To be delivered to custome	Editing		26.05.2001
5	Prozessflussdiagramme	Documents	To be delivered to custome	Editing	QDA lite	26.05.2001
6	Prozess-FMEA	FMEA	To be delivered to custome	Editing		26.05.2001
7	Messergebnisse	Values	To be delivered to custome	Editing	Meier	26.05.2001
8	Material- und Leistungstests	Values	To be delivered to custome	Editing	Tetzlaff	26.05.2001
9	Kurzzeitfähigkeit	Values	To be delivered to custome	New		26.05.2001
10	Analyse von Messsystemen (MSA)	Measuring capability	To be delivered to custome	New		26.05.2001
11	Zertifikate von Laboratorien	Documents	To be delivered to custome	New	Müller	26.05.2001
12	Control Plan	Checkplan/Controlplan	To be delivered to custome	New		26.05.2001
13	Teilevorlage Bestätigung (PSW)	Documents	To be delivered to custome	New		26.05.2001
14	Freigabe des Aussehens	Documents	To be delivered to custome	New		26.05.2001
15	Liste für verfahrenstechnische Produkte	Documents	For inspection	New		26.05.2001
- Bottom Status Bar:** "User: Admin", "Station: TETZLAFF (Standard)", "Database: CAQ MTQ 2007 eng".

- Pasos a seguir con su estado y situación, fecha y responsable
- A cada paso le puedes añadir y adjuntar documentos
- Toda la información está disponible para cada implicado
- Acceso directo a los valores, Planes de Control, y FMEA del QDA



The screenshot displays the QDA 8 software interface for a PPAP Customer - EMPB-1009. The main window shows a 'Details' tab with various fields for PPAP/PPF No., Item, Caption, Drawing no., Customer no., and To be finished date. A secondary window shows 'Decisions' with fields for Method, Submission level, State, and Decision comment.

Overlaid on this is a Microsoft Word document titled 'Dokument2 - Microsoft Word' containing a 'Part Submission Warrant' form. The form includes sections for:
 

- Part Name: \$\$\$ELITE
- Supplier Manufacturing Information: \$\$\$ELITE
- Reason for Submission:  Engineering Change
- Requested Submission Level:  Level 1
- Declaration: I hereby affirm that the samples represented by this warrant are representative of our parts...

- Impresiones individuales mediante plantillas word.

QDA 8 - [CAD-Zuordnung]

File Ansicht

Load Assign PDF

CAD Assign/Stepping

Characteristics Drawingdata Properties

No.	Active	Type	Characteristic	Nominal	USL	LSL
17	✓	Variable	MERKMAL_17	20	20,5	1
18	✓	Variable	MERKMAL_18	29	29,5	2
19	✓	Variable	MERKMAL_19	30	31	2
20	✓	Variable	MERKMAL_20	25,2	25,7	2
21	✓	Variable	MERKMAL_21	5	5,5	
22	✓	Variable	MERKMAL_22	5	5,5	
23	✓	Variable	MERKMAL_23	8	8,5	
24	✓	Variable	MERKMAL_24	5	5,5	
25	✓	Variable	MERKMAL_25	20,5	21	
26	✓	Variable	MERKMAL_26	15,6	15,7	1
27	✓	Variable	MERKMAL_27	8	8,5	
28	✓	Variable	MERKMAL_28	30	31	
29	✓	Variable	MERKMAL_29	33,3	33,4	3
30	✓	Variable	MERKMAL_30	31,8	31,9	3
31	✓	Variable	MERKMAL_31	0,2	0,3	
32	✓	Variable	MERKMAL_32	28	28,1	2
33	✓	Variable	MERKMAL_33	28,5	28,6	2
34	✓	Variable	MERKMAL_34	2,6	2,8	
35	✓	Variable	MERKMAL_35	30	31	
36	✓	Variable	MERKMAL_36	14,8	14,802	
37	✓	Variable	MERKMAL_37	25,2	25,3	2
38	✓	Variable	MERKMAL_38	16	16,5	1
39	✓	Variable	MERKMAL_39	19	19,2	1

Standard Plug

Float Plug

PVBS Spring Package Cavity

231.0605, 196.8720, 0.0000 SNAP OFF GRID OFF ORTHO OFF OSNAP OFF

User: Admin Station: TETZLAFF (Standard) Database: CAQ MTQ 2007 eng

- Herramienta Cad integrada para crear características desde los dibujos automáticamente.
- Estampación, e impresión como PDF incluido.



### SUPPLIER CHECKLIST/APPROVAL for MANAGING CHANGE

Supplier Name	Part Name	Part Number		
Mfg. Location Code	Vehicle Lines Affected	Ford Plants Affected		
Change Description				
ANY ITEMS NOT REQUIRED, PLEASE EXPLAIN:				
	Reqd.	Complete	Date	Comments
1. Engineering and Manufacturing Disciplines:				
Layout Detail/Assembly Drawings				
Tolerance Stack-Up				
Installation Drawings				
Reliability Methods				
Process Sheets				
Engineering Specification				
Material Specification				
Supplier Component DFMEA				
Supplier System DFMEA				
Ford Component DFMEA				
Ford System DFMEA				
Process Flow Chart				
Supplier Component PFMEA				
Supplier System PFMEA				
Ford Component PFMEA				
Ford System PFMEA				
Ford SDS Update				
DV/PP/TP Test				
Vehicle Test				
Operator Instruction Sheets				
Tool & Gage Revisions				
Gage R&R Study				
Control Plan				
Production Trial Run				
Sub-Supplier Affect				
Service Parts				
2. Ford Feasibility Review				
Ford Design Engineer Approval				
SREBA				
CR/CK				
Akvt				
PSW				
Ford Plant Functional Approval				
Purchase Order				Use Part Submission Warrant (PSW) under "Customer Use Only"
3. Approvals				
Engineering Manager:		Quality Manager:		
Production Manager:		Plant Manager:		

### DaimlerChrysler APPEARANCE APPROVAL REPORT

PROJ. NO.	REV.	SUPPLIER	MANUFACTURING LOCATION	DATE
COMPONENT NAME	LOC.	SUPPLIER CODE	SUPPLIER PHONE	OFFICE
COMPONENT CODE	LOC.	SUPPLIER CODE	SUPPLIER FAX	CUSTOMER
COMPONENT CODE	LOC.	SUPPLIER CODE	SUPPLIER FAX	DESIGNER

SURFACE AND TEXTURE EVALUATION		APPROVAL	CUSTOMER REPRESENTATIVE SIGNATURE AND DATE
TEXTURE	FINISH	APPROVED	
		REJECTED	

MATERIAL, COLOR, AND GLOSS EVALUATION		APPROVAL	CUSTOMER REPRESENTATIVE SIGNATURE AND DATE
MATERIAL	FINISH	APPROVED	
		REJECTED	

ORNAMENTATION, GRAPHICS AND SURFACE FACILITY		APPROVAL	CUSTOMER REPRESENTATIVE SIGNATURE AND DATE
ORNAMENTATION	GRAPHICS	APPROVED	
		REJECTED	

### DaimlerChrysler Production Part Approval Performance Test Rest

SUPPLIER	PROJ. NUMBER
NAME OF LABORATORY	PLANT NAME
NO. REQD.	NO. TESTED
NO. PASS	NO. FAIL
NO. REWORK	NO. REJECT

### Ford SUPPLIER REQUEST FOR ENGINEERING APPROVAL

SUPPLIER TO COMPLETE	DATE
SUPPLIER NAME AND ADDRESS	
FORD AND/OR SUPPLIER PART NAME AND PART NUMBER OF ASSEMBLY AND ITS COMPONENTS	
EMISSION CONTROL CODE NUMBER (SEE FORM 74-107)	CONTROL ITEM AFFECTED
YES	NO

### North American Truck Industry Part Submission Warrant

Part Name	Part Number
Safety and/or Government Regulation	Engineering Drawing Change Level
Additional Engineering Charges	Date
Shown on Drawing No.	Purchase Order No.
Weight	kg
Checking Aid No.	Engineering Change Level
Date	

SUPPLIER MANUFACTURING INFORMATION		SUBMISSION INFORMATION	
Supplier Name & Supplier Code	Customer Name/Division	Dimensional	Material/Functional
Street Address	Buyer/Buyer Code	Appearance	
City/State/Postal Code	Application		

Note: Does this part contain any restricted or reportable substances?  Yes  No

Are plastic parts identified with appropriate ISO marking codes?  Yes  No

REASON FOR SUBMISSION

Initial Submission  Change to Optional Construction or Material

Engineering Change(s)  Sub-Supplier or Material Source Change

Tinting, Treatments, Replacment, Refurbishment, or additional  Change in Part Processing

Correction of Discrepancy  Parts Produced at Additional Location

Tooling Inactive > than 1 year  Other - please specify

REQUESTED SUBMISSION LEVEL (Check one)

Level 1 - Warrant only (and for designated appearance items, an Appearance Approval Report) submitted to customer.

Level 2 - Warrant with product samples and limited supporting data submitted to customer.

Level 3 - Warrant with product samples and complete supporting data submitted to customer.

Level 4 - Warrant and other requirements as called by customer.

Level 5 - Warrant with product samples and complete supporting data reviewed at supplier's manufacturing location.

SUBMISSION RESULTS

The results for  dimensional measurements  material and functional tests  appearance criteria  statistical process package

These results meet all drawing and specification requirements:  Yes  No (If "NO" - Explanation Required)

Model / cavity / Production Process

DECLARATION

I hereby affirm that the samples represented by this certification are representative of our parts, have been made to the applicable customer drawings and specifications, and are made from the specified material in regular production using with no operations other than the regular production process. I also certify that documented evidence of such compliance is on file and available for review.

EXPLANATION/COMMENTS:

Print Name \_\_\_\_\_ Title \_\_\_\_\_ Phone No. \_\_\_\_\_ FAX No. \_\_\_\_\_

Supplier Authorized Signature \_\_\_\_\_ Date \_\_\_\_\_

Part Warrant Disposition:  Approved  Rejected  Part Functional Approval  Approved  Waived

Customer Name \_\_\_\_\_ Inquire Approval \_\_\_\_\_ Customer Signature \_\_\_\_\_ Date \_\_\_\_\_

### APPEARANCE APPROVAL REPORT

PART NUMBER	ENGINEERING NUMBER	APPLICATION (VEHICLES)
PART ISSUE	SILVER LOCK	DATE
SUPPLIER NAME	MANUFACTURING LOCATION	SUPPLIER CODE
REASON FOR SUBMISSION	PART SUBMISSION WARRANT	RE-SUBMISSION ENGINEERING CHANGE

APPEARANCE EVALUATION		APPROVAL	CUSTOMER REPRESENTATIVE SIGNATURE AND DATE
SUPPLIER SOURCING AND TEXTURE INFORMATION	PRIE TEXTURE EVALUATION	APPROVED	
	CORRECT AND PROCEED	REJECTED	
	CORRECT AND RESUBMIT		
	APPROVED TO TEXTURE		

COLOR EVALUATION		APPROVAL	CUSTOMER REPRESENTATIVE SIGNATURE AND DATE
COLOR SURF.	STIMULUS DATA	APPROVED	
		REJECTED	

SUPPLIER SIGNATURE	PHONE NO.	DATE	CUSTOMER REPRESENTATIVE SIGNATURE	DATE
--------------------	-----------	------	-----------------------------------	------

ON OF CHANGE:  DESIGN  COMPOSITION  WEIGHT  PROCESSING

CHANGE:

### GM INTERIM RECOVERY WORKSHEET (GM 1411)

SUPPLIER NAME:	1	PART NAME:	6
SUPPLIER CODE:	2	PART #:	7
RESUBMISSION DATE:	3		
INTERIM EXPIRE DATE:	4		
APPLICATION:	5		
EWOP:	8		
EOL:	9	DATE:	10

SUBMISSION LEVEL: 11 KG wt. 12

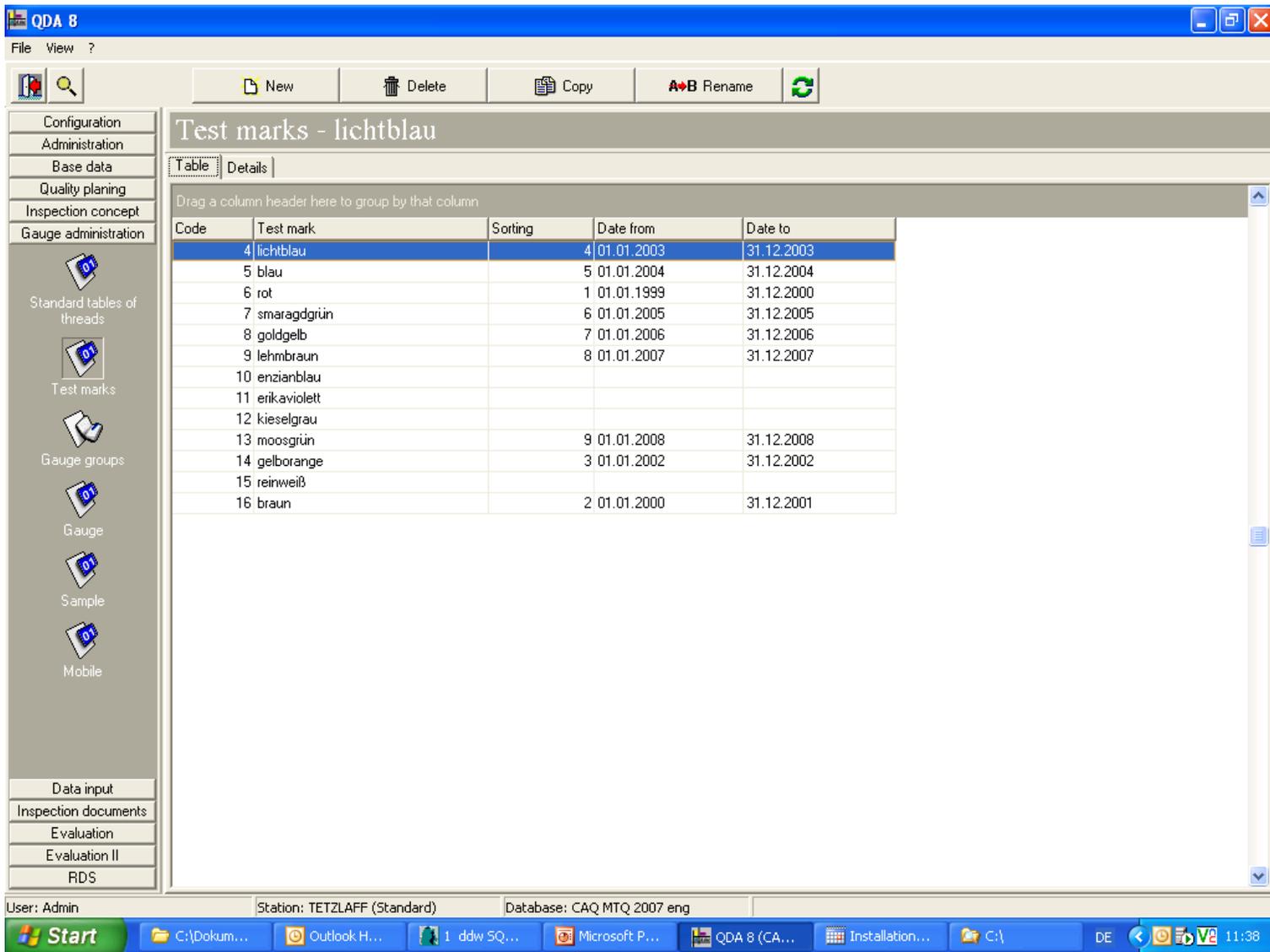
SAMPLE # 13 INSP/SCI 14 ADD. SAMPLE 15 PRG: 16 Interim 17

18 INTERIM CLASS (Type in appropriate detail A-Appeal, 1 - Interim, N - Test mask) A B C D E

19 STATUS: DIM: APP: LAB: PROCESS: ENG:

20 BRIEF REASONS (116 characters max.):

21 ISSUES: E&M DM, APF LAB, Process, tooling, capacity, start-up tooling ACTION PLANS (provide with date of completion)



The screenshot shows the QDA 8 software interface. The main window title is "Test marks - lichtblau". The interface includes a menu bar (File, View, ?), a toolbar with icons for New, Delete, Copy, Rename, and Refresh, and a sidebar with navigation options like Configuration, Administration, Base data, Quality planning, Inspection concept, Gauge administration, Standard tables of threads, Test marks, Gauge groups, Gauge, Sample, and Mobile. The main area displays a table with the following data:

Code	Test mark	Sorting	Date from	Date to
4	lichtblau		4 01.01.2003	31.12.2003
5	blau		5 01.01.2004	31.12.2004
6	rot		1 01.01.1999	31.12.2000
7	smaragdgrün		6 01.01.2005	31.12.2005
8	goldgelb		7 01.01.2006	31.12.2006
9	lehmbraun		8 01.01.2007	31.12.2007
10	enzianblau			
11	erikaviolett			
12	kieselgrau			
13	moosgrün		9 01.01.2008	31.12.2008
14	gelborange		3 01.01.2002	31.12.2002
15	reinweiß			
16	braun		2 01.01.2000	31.12.2001

The status bar at the bottom shows: User: Admin, Station: TETZLAFF (Standard), Database: CAQ MTQ 2007 eng. The Windows taskbar at the bottom shows the Start button and several open applications including Outlook, SQL Server, and QDA 8.

- Definir grupos de Pruebas de Test con un cuadro de fechas



- Definir Grupos para los medios de Test
- Definir programaciones que se van a realizar
- Cambios que pueden tener incidencia en las herramientas existentes



The screenshot shows the QDA 8 software interface. The main window is titled 'Gauge groups - Caliber'. On the left is a navigation menu with options like Configuration, Administration, Base data, Quality planning, Inspection concept, Gauge administration, Standard tables of threads, Test marks, Gauge groups, Gauge, Sample, Mobile, Data input, Inspection documents, Evaluation, Evaluation II, and RDS. The main area is divided into several sections:

- Table Details:**
  - Gauge Group: Caliber
  - Caption: Digital Caliber
  - Measuring range: Caliber 0-150 mm
  - Accuracy: 0,01
  - Type key: (empty)
- Picture:** A photograph of a green industrial machine, likely a digital depth gauge.
- Expiration dates Gauge:**
  - Test Conditions:**
    - Set label automatically
    - Service active
    - Service includes test
    - Test includes service
    - Warning range: 20 Days
  - Drawing ID:**
    - Interval: 6 Months
    - Costs: 24
    - Check plan: Digitaler Messschieber
    - Responsible: Herr Weinert
  - Service:**
    - Interval: 12 Months
    - Costs: 2400
    - Check plan: Digitaler Messschieber
    - Responsible: Herr Meier Gersler

At the bottom, the status bar shows 'User: Admin', 'Station: TETZLAFF (Standard)', and 'Database: CAQ MTQ 2007 eng'. The Windows taskbar at the very bottom shows the Start button and several open applications including 'C:\Dokumente und ...', 'Posteingang - Micro...', '1 ddw SQL-Server ...', 'Microsoft PowerPol...', 'QDA 8 (CAQ MTQ 2...)', and the system clock 'DE 11:19'.

- Intervalos de mantenimiento y servicio que deben ser implementados



QDA 8

File View Extra functions ?

New Test Job Service Job Output Income

Configuration Administration Base data Quality planning Inspection concept Gauge administration

Standard tables of threads Test marks Gauge groups Gauge Sample Mobile

Data input Inspection documents Evaluation Evaluation II RDS

Gauge - 0129-11 - Bügelmeßschraube (Acceptance) Number: 981

Table Details

Drag a column header here to group by that column

InventoryNo.	Caption	Gauge Group	State	LAGERORT01	State	Maint./test next	Measuring range
0129-11	Bügelmeßschraube	Meßschrauben	Free	Drähte/Seile	Acceptance	PMM test	
02 DGW	Meßschieber	Caliber	Free	Drähte/Seile	Acceptance	PMM test	
0241/23	Bügelmeßschraube	Meßschrauben	Free	Drähte/Seile	Acceptance	PMM test	
03951041	Bügelmeßschraube	Meßschrauben	Free	Drähte/Seile	Acceptance	PMM test	
0421-03	Bügelmeßschraube	Meßschrauben	Free	Drähte/Seile	Acceptance	PMM test	
0421-14	Bügelmeßschraube	Meßschrauben	Free	Drähte/Seile	Acceptance	PMM test	
0421-158	Bügelmeßschraube	Meßschrauben	Expired	Drähte/Seile	Acceptance	PMM test	
0421-2	Bügelmeßschraube	Meßschrauben	Free	Drähte/Seile	Acceptance	PMM test	
0421-24	Bügelmeßschraube	Meßschrauben	Expired	Drähte/Seile	Acceptance	PMM test	
0421-28	Bügelmeßschraube	Meßschrauben	Expired	Drähte/Seile	Acceptance	PMM test	
0432-37	Bügelmeßschraube	Meßschrauben	Free	Drähte/Seile	Acceptance	PMM test	
0432-25	bügelmeßschraube	Meßschrauben	Expired	Drähte/Seile	Acceptance	PMM test	
0432-27	Bügelmeßschraube	Meßschrauben	Expired	Drähte/Seile	Acceptance	PMM test	
0432-29	Bügelmeßschraube	Meßschrauben	Soon Expiring	Drähte/Seile	Acceptance	PMM test	
0432-31	Bügelmeßschraube	Meßschrauben	Expired	Drähte/Seile	Acceptance	PMM test	
0432-32	Bügelmeßschraube	Meßschrauben	Expired	Drähte/Seile	Acceptance	PMM test	
0432-33	Bügelmeßschraube	Meßschrauben	Expired	Drähte/Seile	Acceptance	PMM test	
0432-34	Bügelmeßschraube	Meßschrauben	Expired	Drähte/Seile	Acceptance	PMM test	
0432-35	Bügelmeßschraube	Meßschrauben	Expired	Drähte/Seile	Acceptance	PMM test	
0432-96	Bügelmeßschraube	Meßschrauben	Expired	Drähte/Seile	Acceptance	PMM test	
0441-103	Bügelmeßschraube	Meßschrauben	Expired	Drähte/Seile	Acceptance	PMM test	
0441-106	Bügelmeßschraube	Meßschrauben	Soon Expiring	Drähte/Seile	Acceptance	PMM test	
0441-117	Bügelmeßschraube	Meßschrauben	Expired	Drähte/Seile	Acceptance	PMM test	
0441-20	Bügelmeßschraube	Meßschrauben	Expired	Drähte/Seile	Acceptance	PMM test	
0441-237	Bügelmeßschraube	Meßschrauben	Expired	Drähte/Seile	Acceptance	PMM test	
0441-241	Bügelmeßschraube	Meßschrauben	Expired	Drähte/Seile	Acceptance	PMM test	
0441-243	Bügelmeßschraube	Meßschrauben	Expired	Drähte/Seile	Acceptance	PMM test	
0441-250	bügelmeßschraube	Meßschrauben	Expired	Drähte/Seile	Acceptance	PMM test	
0441-262	bügelmeßschraube	Meßschrauben	Expired	Drähte/Seile	Acceptance	PMM test	

User: Admin Station: TETZLAFF (Standard) Database: CAQ MTQ 2007 eng

Start C:\Dokum... Outlook H... 1 ddw SQ... Microsoft P... QDA 8 (CA... Installation... C:\ DE 11:38

- Listado de Herramientas y su situación



QDA 8

File View Extra functions ?

New Test Job Service Job Output Income

Configuration Administration Base data Quality planning Inspection concept Gauge administration

Standard tables of threads Test marks Gauge groups Gauge Sample Mobile

Data input Inspection documents Evaluation Evaluation II RDS

Gauge - 0129-11 - Bügelmeßschraube (Acceptance) Number: 981

Table Details

InventoryNo. State State Maint./test next Measuring range Last expiration Next expiration Maint./test last LAGEF

InventoryNo.	State	State	Maint./test next	Measuring range	Last expiration	Next expiration	Maint./test last	LAGEF
-  Gauge Group : Meßschrauben								
+  LAGERORT01 :								
+  LAGERORT01 : BWII								
-  LAGERORT01 : Bandwalze								
1160/784	Expired	Acceptance	PMM test		21.01.2004	21.01.2005	PMM test	Bandw
3910/178	Expired	Acceptance	PMM test	0-25	07.05.2004	07.05.2005	PMM test	Bandw
+  LAGERORT01 : Drähte/Seile								
+  LAGERORT01 : Labor								
-  LAGERORT01 : Rohre/Stangen								
1330/112	Expired	Acceptance	PMM test	25-50	07.05.2004	07.05.2005	PMM test	Rohre/
1330/115	Expired	Acceptance	PMM test	50-75	07.05.2004	07.05.2005	PMM test	Rohre/
1330/126	Expired	Acceptance	PMM test	75-100	07.05.2004	07.05.2005	PMM test	Rohre/
1330/27	Expired	Acceptance	PMM test	0-25	07.05.2004	07.05.2005	PMM test	Rohre/
1360/12	Locked	Rejection		0-25				Lager/
1360/197	Locked	Rejection		0-25				Lager/
1360/203	Expired	Acceptance	PMM test	0-25	07.05.2004	07.05.2005	PMM test	Rohre/
1360/32	Locked	Rejection		0-25				Lager/
1360/332	Expired	Acceptance	PMM test	50-75	07.05.2004	07.05.2005	PMM test	Rohre/
1360/361	Expired	Acceptance	PMM test	0-25	07.05.2004	07.05.2005	PMM test	Rohre/
1360/363	Expired	Acceptance	PMM test	0-25	07.05.2004	07.05.2005	PMM test	Rohre/
1360/366	Locked	Rejection		0-25				Lager/
1360/367	Locked	Rejection		0-25				Lager/
1360/368	Locked	Rejection		0-25				Lager/
1360/369	Locked	Rejection		0-25				Lager/
1360/371	Locked	Rejection		0-25				Lager/
1360/372	Locked	Rejection		0-25				Lager/

User: Admin Station: TETZLAFF (Standard) Database: CAQ MTQ 2007 eng

Start C:\Dokum... Gesendet... 1 ddw SQ... Microsoft ... QDA 8 (CA... Installatio... C:\ DE 13:22

- Fácil posibilidad de agrupaciones



The screenshot shows the QDA 8 software interface. The main window title is 'Gauge - 0129-11 - Bügelmeßschraube (Acceptance)'. The interface includes a menu bar (File, View, Extra functions), a toolbar with icons for New, Test Job, Service Job, Output, and Income, and a left-hand navigation pane with categories like Configuration, Administration, Base data, Quality planning, Inspection concept, and Gauge administration. The main area displays a table of gauges with columns for InventoryNo., State, and Rejection. Two 'Data selection' dialog boxes are open. The first dialog box is for selecting a gauge group, showing options like 'Meßschrauben' and 'All'. The second dialog box is for selecting a measuring range, showing a list of ranges from 0,15-1mm to 0-35, with '0-1500' selected. The status bar at the bottom shows 'User: Admin', 'Station: TETZLAFF (Standard)', and 'Database: CAQ MTQ 2007 eng'.

- Funciones de clasificación y búsqueda sencillas y flexibles



**QDA 8**  
File View Extra functions ?

New PMM test PMM maintenance Output Income

Configuration Administration Base data Quality planning Inspection concept Gauge administration

Standard tables of threads Test marks Gauge groups Gauge Sample Mobile

Data input Inspection documents Evaluation Evaluation II RDS

**Gauge - 1330/115 - Bügelmeßschraube (Acceptance) Number: 981**

Table Details

InventoryNo.	1330/115
Gauge Group	Meßschrauben
Serialno.	Rohre/Stangen
Gauging tool no.	11.01
Caption	Bügelmeßschraube
Measuring range	50-75
Accuracy	
State	Acceptance
State	Expired
Test mark	braun
Last expiration	07.05.2004 PMM test
Next expiration	07.05.2005 PMM test

Picture Addition Remark Pos. in Depot

Expiration dates History Orders Documents

Test Conditions

Set label automatically  
 Service active

Warning rang 0 Days

Drawing ID

Last test	07.05.2004
Next Test	07.05.2005
Interval	12 Months
Costs	
Check plan	Bügelmeßschraube 50-75mm
Responsible	

User: Admin Station: TETZLAFF (Standard) Database: CAQ MTQ 2007 eng

Start C:\Dokum... Gesendet... 1 ddw SQ... Microsoft ... QDA 8 (CA... Installatio... C:\ DE 13:25

- Tarjeta de identidad con toda la información y su dibujo, foto o plano



QDA 8

File View Extra functions ?

New PMM test PMM maintenance Output Income

Gauge - 1330/115 - Bügelmeßschraube (Acceptance) Number: 981

Table Details

InventoryNo. 1330/115

Gauge Group Meßschrauben

Serialno. Rohre/Stangen

Gauging tool no. 11.01

Caption Bügelmeßschraube

Measuring range 50-75

Accuracy

State Acceptance

State Expired

Test mark braun

Last expiration 07.05.2004 PMM test

Next expiration 07.05.2005 PMM test

Picture Addition Remark Pos. in Depot



Expiration dates History Orders Documents

Date	State	Test mark	Type	Remark	Order	User	last Test	next Test	last Service	next Serv
20.04.2005 08:15:42	Acceptance	smaragdgrün	Data Changed			Rohne	07.05.2004	07.05.2005		
20.04.2005 08:14:35	Acceptance	smaragdgrün	Data Changed			Rohne	07.05.2004	30.06.2001		
27.10.2004 16:07:19	Acceptance	smaragdgrün	Data Changed			Rohne	19.06.2000	30.06.2001		
19.06.2000 11:17:50	Acceptance	smaragdgrün	Test		MMV163	Rohne				
19.06.2000 11:15:46	Acceptance	smaragdgrün	Data Changed			Rohne				
03.05.2000 14:21:39	Acceptance	smaragdgrün	Data Changed			Rohne				

User: Admin Station: TETZLAFF (Standard) Database: CAQ MTQ 2007 eng

- Historial de mediciones



The screenshot shows the QDA 8 software interface. The main window title is 'Gauge - 1330/115 - Bügelmeßschraube (Acceptance) Number: 981'. The interface includes a menu bar (File, View, Extra functions), a toolbar with icons for New, PMM test, PMM maintenance, Output, and Income, and a left-hand navigation pane with categories like Configuration, Administration, Base data, Quality planning, Inspection concept, Gauge administration, Standard tables of threads, Test marks, Gauge groups, Gauge, Sample, and Mobile.

The main content area is divided into several sections:

- Table Details:** A form with fields for InventoryNo. (1330/115), Gauge Group (Meßschrauben), Serialno. (Rohre/Stangen), Gauging tool no. (11.01), Caption (Bügelmeßschraube), Measuring range (50-75), Accuracy, State (Acceptance), State (Expired), Test mark (braun), Last expiration (07.05.2004), and Next expiration (07.05.2005).
- Picture:** A photograph of the gauge tool, a grey cylindrical device with a blue band.
- Expiration dates:** A table with columns for Title, File, and Responsible.
 

Title	File	Responsible
R&R	Prüfmittelfähigkeit Ford V1-PMF Bo	Admin
Fähigkeitsuntersuchung	Prüfmittelfähigkeit V1-PMF Bosch V	Admin
- Documents:** A section for document management with a 'Documentremark' field.

The bottom status bar shows 'User: Admin', 'Station: TETZLAFF (Standard)', and 'Database: CAQ MTQ 2007 eng'. The Windows taskbar at the bottom indicates the system time is 13:27.

- Añadir documentos a cada herramienta o instrumento, es factible



The screenshot displays the QDA 8 software interface. The main window title is "Gauge - 1360/12 - Bügelmeßschraube (Rejection)" with "Number: 981". The interface includes a menu bar (File, View, Extra functions), a toolbar with icons for New, PMM test, PMM maintenance, Output, and Income, and a left-hand navigation pane with categories like Configuration, Administration, Base data, Quality planning, Inspection concept, and Gauge administration. A central table shows gauge details for InventoryNo. 1360/12, Gauge Group Meßschrauben, and Serialno. Rohre/Stangen. An "Output" dialog box is open, showing a list of LAGERORT (LAGERORT01 to LAGERORT08) with corresponding Pos. in Depot values (Rohre/Stangen, Lager/Kalibrierstelle, etc.). The dialog also includes an "InventoryNo." field with "1360/12" highlighted, "Ok" and "Cancel" buttons, and a "Remark" text area. The bottom status bar shows "User: Admin", "Station: TETZLAFF (Standard)", and "Database: CAQ MTQ 2007 eng". The Windows taskbar at the bottom shows the Start button, open applications, and the system clock at 13:30.

- Salida y entrada de los medios (Calibraciones, reparaciones, etc...)



The screenshot shows the QDA 8 software interface. The main window title is 'Gauge - 1360/12 - Bügelmeßschraube (Rejection) Number: 981'. A 'Seal' dialog box is open, displaying a table of storage locations:

InventoryNo.	Pos. in Depot
1360/12	Rohre/Stangen
LAGERORT01	Rohre/Stangen
LAGERORT02	Lager/Kalibrierstelle
LAGERORT03	
LAGERORT04	
LAGERORT05	
LAGERORT06	
LAGERORT07	
LAGERORT08	

The 'InventoryNo.' field in the dialog is highlighted in yellow. The dialog also includes 'Ok' and 'Cancel' buttons, and a 'Remark' text area.

- Bloqueo de instrumentos cuando las fechas de calibración han expirado.



Order: PMMORDER-00007    Item: 1160/797    M(Target): 1  
 Check plan: Digitaler Messschieber    Process: 0010    Visuelle Kontrolle    M(actual): 1

Characteristic	Dim	Obligatory	Test Instruction	
Oberfläche in Ordnung	Qualitative	*		Lunker > 2,
Messspitzen ok	Qualitative	*		o
ID lesbar	Qualitative	*		iO

Selection: Attribute

No.	Attribute	Remark
19	iD	
20	niO	

Sample information

KW ID	324
Datum	Tetzlaiff
ChargenNr	4

Windows taskbar: Start, C:\Dokumente..., Gesendete Ob..., 1 ddw SQL-S..., Microsoft Pow..., QDA 8 (CAQ ..., C:\, DE, 13:35

- Control de atributos, Pasa/NoPasa



The screenshot shows the ASI DATAMYTE software interface. At the top, there are menu options: File, Edit, Measure, Options. Below this, there are input fields for Order (PMMORDER-00007), Item (1160/797), M(Target) (1), Check plan (Digitaler Messschieber), Process (0020), Masskontrolle, and M(actual) (1).

On the left side, there are tabs for Characteristic, Single QCC, Multiple QCC, Bar, Picture, Remark, and Order fields. Below these are various input fields for characteristics, including Charact. label (Max Abweichung), Remark, Gauge, Formula (Max{M1..M6,6}-Min{M1..M6,6}), Failure risk (Major failure), Key field, Nominal, USL, LSL, and their respective control limits (Nom., UCLx, LCLx).

At the bottom left, there is a 'Sample information' section with a table:

KW ID	4511341
Datum	Tetzlaff
ChargenNr	123412341

On the right side, there is a table with the following columns: Characteristic, Dim, Obligatory, Test Instruction, and a numerical value. The values are highlighted in green:

Characteristic	Dim	Obligatory	Test Instruction	Value
2 mm		*		0,004
8 mm		*		0,000
16 mm		*		0,002
40 mm		*		-0,001
100 mm		*		-0,008
120 mm		*		-0,045
Max Abweichung		*		0,049

At the bottom of the window, there are function buttons: F11 Sample information, F3 Attribute catalog, F6 Process actions, F7 New, F9 Test Instruction, and F10 Close. The Windows taskbar at the very bottom shows the Start button and several open applications.

- Valores de medidas con los resultados calculados



QDA 8

File Order Process View Evaluation Extra functions ?

Sample Make decision Test Instruction Send Receive

Configuration Administration Base data Quality planning Inspection concept Gauge administration

Standard tables of threads Test marks Gauge groups Gauge Sample Mobile

Data input Inspection documents Evaluation Evaluation II RDS

Gauge Manager - PMMORDER-00007

Table Details

Drag a column header here to group by that column

Order	Bandgeschwindigkeit	Creation date	State	Ident-No	D...	Charge	Lieferschein	Vorprodukt
PMMORDER-		20.02.2007	Measuring comple	1160/797				

**PMM test**

InventoryNo. 1160/797

State Acceptance

Test mark moosgrün

Testing date 20.02.2007

Next expiration 20.02.2008

Remark Dirt on tool.

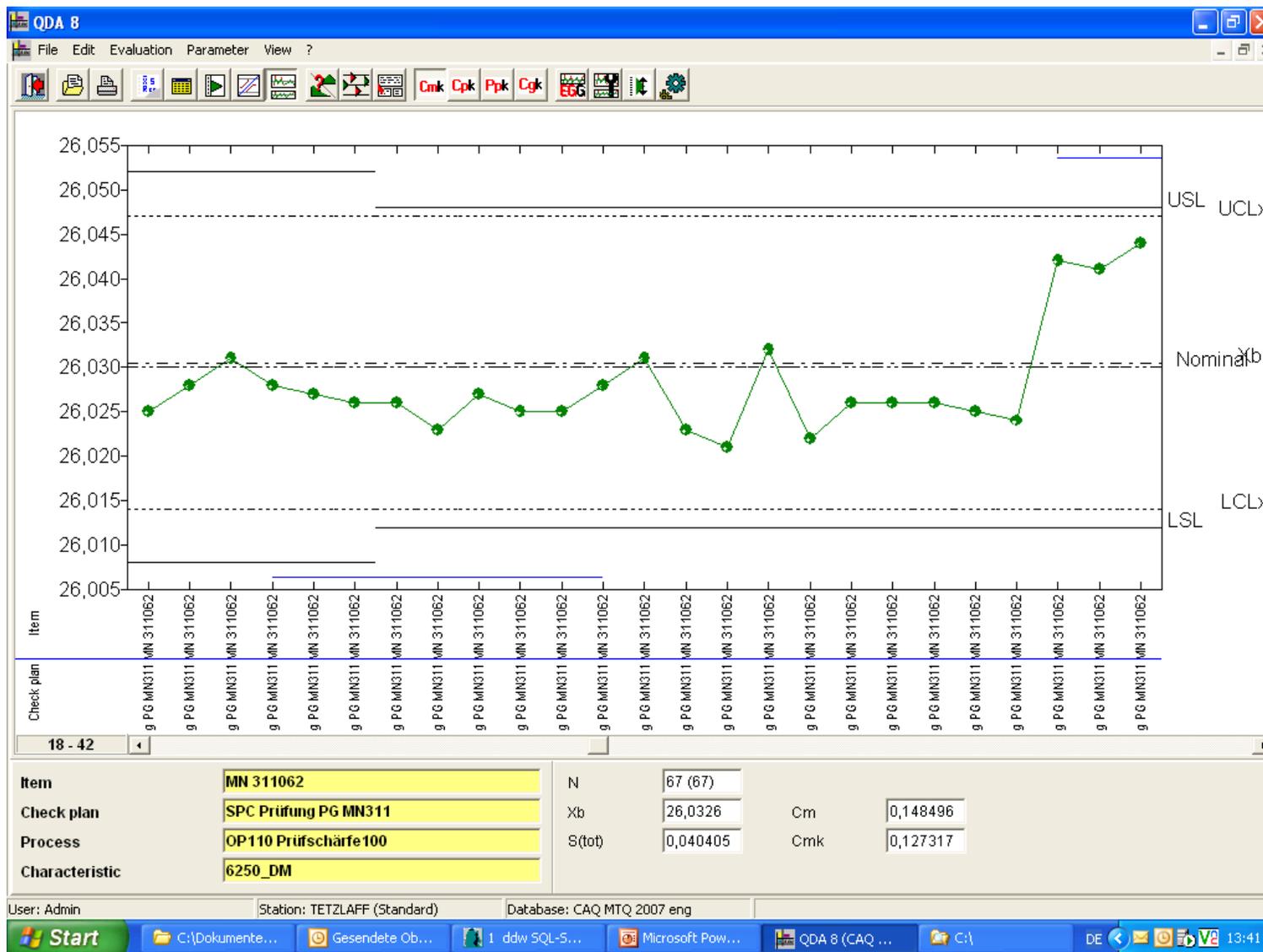
Ok Cancel

User: Admin Station: TETZLAFF (Standard) Database: CAQ MTQ 2007 eng

Start C:\Dokumente... Gesendete Ob... 1 ddw SQL-S... Microsoft Pow... QDA 8 (CAQ ... C:\ DE 13:37

- Liberación integrada automática, tras realizar las mediciones





- Evaluaciones y gráficos



The screenshot shows the QDA 8 software interface. The main window title is "Gauge - 0432-35 - Bügelmeßschraube (Acceptance) Number: 981". The interface includes a menu bar (File, View, Extra functions), a toolbar with icons for New, Test Job, Service Job, Output, and Income, and a left-hand navigation pane with categories like Configuration, Administration, Base data, Quality planning, Inspection concept, and Gauge administration. The main area displays a table with the following columns: InventoryNo., State, LAGEROR..., State, Maint./test next, Measuring range, Last expiration, Next expiration, and Maint./te. The table contains 20 rows of data, with various states such as "Free", "in Test", "Expired", and "Soon Expiring".

InventoryNo.	State	LAGEROR...	State	Maint./test next	Measuring range	Last expiration	Next expiration	Maint./te
Caption: Bügelmeßschraube								
+ Gauge Group: Meßschrauben								
- Gauge Group: Meßschrauben								
+ LAGERORT01:								
+ LAGERORT01: BWII								
+ LAGERORT01: Bandwalze								
- LAGERORT01: Drähte/Seile								
0129-11	Free	Drähte/Seile	Acceptance	PMM test		31.10.2006	31.10.2008	PMM tes
0241/23	Free	Drähte/Seile	Acceptance	PMM test		10.05.2006	10.05.2008	PMM tes
03951041	in Test	Drähte/Seile	Acceptance	PMM test		31.10.2006	31.10.2008	PMM tes
0421-03	Free	Drähte/Seile	Acceptance	PMM test		31.10.2006	31.10.2008	PMM tes
0421-14	Free	Drähte/Seile	Acceptance	PMM test		31.10.2006	31.10.2008	PMM tes
0421-158	Expired	Drähte/Seile	Acceptance	PMM test		21.01.2004	07.05.2005	PMM tes
0421-2	Free	Drähte/Seile	Acceptance	PMM test		20.02.2007	20.02.2009	PMM tes
0421-24	Expired	Drähte/Seile	Acceptance	PMM test		07.05.2004	31.08.2005	PMM tes
0421-28	Expired	Drähte/Seile	Acceptance	PMM test		07.05.2004	31.08.2005	PMM tes
0432-37	Free	Drähte/Seile	Acceptance	PMM test		31.10.2006	31.10.2008	PMM tes
0432-27	Expired	Drähte/Seile	Acceptance	PMM test		21.01.2004	07.05.2005	PMM tes
0432-29	Soon Expiring	Drähte/Seile	Acceptance	PMM test		20.02.2007	21.02.2007	PMM tes
0432-31	Expired	Drähte/Seile	Acceptance	PMM test		28.09.1998	21.01.2005	PMM tes
0432-32	Expired	Drähte/Seile	Acceptance	PMM test		21.01.2004	07.05.2005	PMM tes
0432-33	Expired	Drähte/Seile	Acceptance	PMM test		21.01.2004	07.05.2005	PMM tes
0432-34	Expired	Drähte/Seile	Acceptance	PMM test		07.05.2004	31.08.2005	PMM tes
0432-35	Expired	Drähte/Seile	Acceptance	PMM test		21.01.2004	07.05.2005	PMM tes
0432-96	Expired	Drähte/Seile	Acceptance	PMM test		21.01.2004	07.05.2005	PMM tes
0441-103	Expired	Drähte/Seile	Acceptance	PMM test		21.01.2004	07.05.2005	PMM tes
0441-106	Soon Expiring	Drähte/Seile	Acceptance	PMM test		20.02.2007	20.03.2007	PMM tes
0441-117	Expired	Drähte/Seile	Acceptance	PMM test		06.10.1998	21.01.2005	PMM tes

At the bottom of the window, it shows "User: Admin", "Station: TETZLAFF (Standard)", and "Database: CAQ MTQ 2007 eng". The Windows taskbar at the bottom shows the Start button and several open applications, including "1 ddw SQL-S...", "Microsoft Pow...", and "QDA 8 (CAQ ...)". The system clock shows "13:42".

- Selección de más de una herramienta, para aplicaciones en carros móviles
- Muy usual en controles de pares de apriete y herramientas de montaje



The screenshot shows the QDA 8 software interface. The title bar reads 'QDA 8'. Below it are menu options 'File', 'Process', and 'Options'. A toolbar contains icons for 'Send', 'Receive', and 'Test Instruction'. The main window title is 'Mobile - <Multiselect>'. On the left is a navigation tree with categories like 'Configuration', 'Administration', 'Base data', 'Quality planning', 'Inspection concept', 'Gauge administration', 'Data input', 'Laboratory', 'Goods received', 'SPC', 'Outgoing Goods', 'Mobile', 'Batches', 'Import manager', 'Inspection documents', 'Evaluation', 'Evaluation II', and 'RDS'. The main area displays a table with the following data:

Order	Kind of Order	Mobile equipment	Process	Process Label	Inspection type	Ident-No	State	Test Instruction
T10	SPC	Dpta XYZ	0010	A	Mobile	45° Flansch	In measurin	
T11	SPC	Dpta XYZ	0010	A	Mobile	60° Flansch	In measurin	
T3	SPC	Dpta XYZ	0010	A	Mobile	700138-01	In measurin	
T4	SPC	Dpta XYZ	0010	A	Mobile	Z746121	In measurin	
T5	SPC	Dpta XYZ	0010	A	Mobile	Q736014	In measurin	
T6	SPC	Dpta XYZ	0010	A	Mobile	724152-02	In measurin	
T7	SPC	Dpta XYZ	0010	A	Mobile	Welle 60-300	In measurin	
T8	SPC	Dpta XYZ	0010	A	Mobile	120° Flansch	In measurin	
T9	SPC	Dpta XYZ	0010	A	Mobile	715008-01	In measurin	

At the bottom, the status bar shows 'User: Admin', 'Station: TETZLAFF (Standard)', and 'Database: CAQ MTQ 2007 eng'. The Windows taskbar at the very bottom shows the Start button and several open applications including 'C:\Dokumente...', 'Gesendete Ob...', '1 ddw SQL-S...', 'Microsoft Pow...', 'QDA 8 (CAQ ...', and 'C:\'. The system clock shows 'DE 13:43'.

- Enviar y actualizar los datos en los carros móviles



#### QDA I-APQP (Integrated Advanced Product Quality Planning, part of QS 9000)

The module supports ongoing project-management for product and quality planning in all phases of the development process. The check list function creates a uniform, product related documentation structure, giving the user an overview of the production process for easier control of the production. All project- and product related information and documents are centrally monitored and managed.

#### QDA Complaint Management

ASI DATAMYTE's Complaint Management Solution keeps complaints under control with automated workflows and integrated data from other relevant areas. It pulls in ISO standards and FDA mandates, ties in CIP and CAPAs and rolls consolidated and analyzed findings into intuitive-focused reports and decisive actions.

#### QDA Document Management

QDA Document Management Module is an automated document management system creating a competitive advantage through integration. It facilitates accurate and efficient traceability and assists in compliance with relevant standards and access to released documents through a web portal. Integrates visualizations of process flow charts complying with ISO standards.

#### QDA FMEA Module

The QDA FMEA Module is compliant to the requirements of the VDA, QS 9000, ISO/S 16949 and supports the process-, system-product- and system-process-FMEA's. The open designable forms (with Microsoft Office) corresponds the VDA and QS 9000 standards and are included in the solution. The QDA FMEA supports the automatic distribution of the FMEA-actions via e-Mail and monitors defined actions. Changes in a master-FMEA can be referenced automatically into linked FMEA's .

#### QDA PPAP

This Module manages and integrates acceptance and approval processes (PPAP, VDA, First Article Inspection). Includes 2D CAD support (Tool: QDA-T-CAD).

#### QDA Quality Planning

The QDA software module integrates APQP Requirements, Process Flow Chart, Process Failure Modes and Effects Analysis (PFMEA), Control Plans, Production Parts Approval Process (PPAP), GMP, and BMP - to help ensure a logical and consistent approach to manufacturing engineering activities. The Integrated Quality Planning Solution assists in process-based quality management systems and continuous improvement.

#### Incoming / Outgoing Inspection

With this QDA module, - Incoming and Outgoing Inspections can take place directly in the system or provide an MES / ERP coupling. Testing is performed with statistic and dynamic sampling plans, including Skip-Lot-processes and AQL-Sampling plans. After successful data capturing, usage decisions can be documented for tested "parts".

### QDA Gage and Tool Management

ASI DATAMYTE's QDA Gage and Tool Management Solution improves cost control and ensures measurement, tool and process traceability through automated calibration and workflows. It integrates with other ASI DATAMYTE quality software and solutions to meet regulatory requirements.

### QDA Data Collection-SPC

ASI DATAMYTE's SPC ensures validation, compliance and traceability and increases profitability by tightening tolerances, ensuring error-proof data collection and driving in-control processes to higher performance levels.

### QDA Alarm & Notification

The QDA Workflow Manager configures and executes automated notifications and functions in QDA. Examples such as emails, print outs, notifications, complaints and actions can then be opened or created in predefined situations. The escalation function may also be integrated with the QDA Workflow Management and supports the QDA workflow function in the Complaint Management module. Activities may be configured and documented in the QDA log book.

### QDA Action Management

The QDA Action Management enables the creation, tracking and possible escalation of actions in QDA. Added to each action is the context of creation, a description, the responsible person as well as the appointment. Actions can be assigned to orders, parts, FMEAs, PPAPs, APQPs, check plan or independently and centrally managed and sent out via email. Actions created may also be integrated with QDA escalation management.

### QDA BOM - Bill of Materials

This tool creates a structured arrangement of components, sub-assemblies, and complete assemblies in QDA. Parts are assigned specific information and referencing the bill of materials is greatly simplified. It may be used to check completeness and traceability of a system delivered in components.

### QDA ERP Interface

The interface tool enables uni-directional downloading of master data maintained in files or database tables from leading ERP systems into the QDA Software. The interface tool also transfers transaction data such as incoming inspections or production orders into QDA. Following quality data collection in QDA, the usage decision is returned to the ERP system. Any configuration changes to the interface defined with customer input will be charged on a time basis. The interface tool can also be used for integration of MES systems and QDA. In this case a determination must be made as to which system is the lead or primary. We supply interfaces for SAP, BAAN, NAVISON, PsiPenta, InforXA, MAPICS, UB-Soft, Fauser, Coscom, TBS Prosi, ActivPlant and a generic QDA ERP interface.

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