

The US Federal Drug Administration (FDA) requirements under the regulation 21 CFR part 11 states all manufacturers of regulated brands must comply to these standards. Meeting these requirements for Quality Window Applications involves employing several features available in the standard version of the product.

They are:

- Use of the Protected setting for a variable when data is coming from a measuring device like a scale or automation data sources like PLC's.
- Creating a Security Database based on User Id's and Passwords for assigning individual user capabilities.
- Controlled access to the QWAdmin module to restrict access to Application maintenance and User security settings.
- Setting access restrictions for functions like Add, Edit, Delete of data for individual users and applications.
- Enabling Transaction Logging for all changes to application data (add, Edit, Inset, Copy and Delete) as well as all updates to Application templates such as Limit and Control Rule changes, addition, movement, and deletion individual variables. These transaction logs include User Identification, Workstation, Module as well as data and time of the action.
- Provide Transaction Log Viewers to review all updates to applications especially for regulated applications.

Use of a Protected setting for a Variable:

This is a very useful setting when the data should not be changed once collected. This could be data coming from a device like a scale and having the data unaltered is important for tracking the data such as in the case of a regulated brand.

iable Details	
Variable Number	11
Variable Name	Weight_Lane 1_(gm)
Field Type	Numeric
Length	4
Decimals	1
Maximum Value	99.9
Upper Specification Limit	Calc
Upper Control Limit	Fixed 7.7
Upper Warning Limit	Calc
Target	Fixed 6
Lower Warning Limit	Calc
Lower Control Limit	Fixed 4
Lower Specification Limit	Fixed 2.05
Minimum Value	-9.9
Calculate Limits Based On	Population
Limits Centered On	FixedTarget
Active Rules	USL, LSL, UCL, LCL, 3dn, 3up, 5up, 5dn, 7up, 7dn
Required	No
Protected	Yes

To set a variable as Protected

it is done using the QWAdmin Maintain Applications feature. On the Variable definition screen there is a setting for Required? Select Yes and the option is enabled. Once enabled the value for this variable cannot be changes in the Add or Edit screens. Using the Input/Output files feature is how the value can be placed in a variable. The value of the Input file would be set based on the source of the data Example a Scale or PLC tag value.



Page 1 of 4



Limiting access to the QWAdmin module:

Access to the QWAdmin module as well as individual functions can be set for Admin type users. These are:

- Access to Admin module
- Managing Security
- Manage Applications
- Access to the QWSpecManager

Creating a Security Database:

This is done in the QWAdmin by selecting the Security Administrator Icon. Using this module, you can define and edit Users including their individual permissions and Authentication requirements. The User ID Identifier will be used to log any actions performed in the transaction log.

Note: Passwords are encrypted and can not be viewed or recovered once set.

1	Jser Information	
F	ull Name	QW6Admin
U	lser Name	Admin
P	assword	
L	ogon Domain	
A	ccess QWAdmin	Yes
N	lanage Security	Yes
N	lanage Applications	Yes
A	ccess QWSpecManager	Yes

File Tools									
QualityWindo		QW6Admin Se	ecurit	y Administrator					
Search users	e user an copy user a			User Information	OWEAdmin				
	11 - M	D		User Name	Admin				
Full Name	User Name	Password		Password					
W6Admin	Admin	•••••		Logon Domain					
Line User	BLine			Access QWAdmin	Yes				
Line User	MLine			Manage Security	Yes				
				Manage Applications	Yes				
				Access QW specmanager	105 00 14 2.0C D				
				Password Expiry Date	2021-03-14 2:06 PM				
				Account Disabled	No				
				Liser Directory File	NO				
			~	User Permissions					
				Allow Read	Yes				
				Allow Add	Yes				
				Allow Edit	Yes				
				Allow Insert	Yes				
				Allow Copy	Yes				
				Allow Delete	Yes				
				Allow Views	Yes				
				Allow Signature	Yes				
				Allow Previous Value	Yes				
			24	Llear Authentications					

Setting access restrictions for functions like Add, Edit, Delete of data:

Using the QWAdmin Maintain Applications then selecting the General Inforamtion tab the Security restrictions can be set for individual Applications. Once set here it will require a User to enter a valid user Id and password to perform that function.

The Views setting will limit access to the Views Manager in the application which would mean a user would not be able to change or create Views without a valid User Id and Password.



In addition, there is an option to select a variable in the

application to store the User Id that performed the

		1	Gander
~	Security Options		
	Security Restrictions		Edit, Delete
	Field used to store security info		V16 - User Id
	Trade Marked Cards		

Page 2 of 4





action that security was set for.

The User Id will also be stored in in the transaction log for the application.

Transaction logs in QW6

A very important requirement to meet the 21 CFR part 11 requirements is to document every time the data has been updated. In QW6 Transaction Log are automatically created for each application.

The transaction log file name is assigned in the QWAdmin – Maintain Applications – General Screen. By default, it is the name of the application with a .LOG extension.

If you do not define a location for the file it will be placed in the same directory as the QW Application resides in.

Viewing the Application Data Audit Trial:

There is an Icon on the top of the QW6 Workstation screen for selecting to view the Audit trail for an application.



The Transaction Log Viewer listing the transactions recorded for each Add, Edit, and

Delete action that were made to the data in chronological order. The date and time at the start of record is when the record was originally created and the date and time at the right end of the record is when the transaction was processed.

a Q	QWLogView - Process Monitoring Example – D X										<		
File	ile Edit												
WARNI	WARNING: Items listed in the Transaction Log window are constrained by the current Filter settings for this View.												
	Date YYYY-MM-DD V1	Time hh:mm:ss V2	Auto Shift Id V3	Shift V4	Team V5	Team Leader V6	Batch Number V7	Batch Viscosity V8	Conveyor Speed (fpm) V9	Oven Temp. (F) V10	Weight Lane 1 (gm) V11	Weight Lane 2 (gm) V12	^
Ŧ	2020-03-16	20:13:22	20	3:30p to 11:30p	30-C Team	Ray	1325		141	387	6	6.1	
ŧ	2020-03-16	21:11:41	20	3:30p to 11:30p	30-C Team	Ray	1325	966	144	370	6	5.9	
Ŧ	2020-03-16	22:12:01	20	3:30p to 11:30p	30-C Team	Ray	1325		140	345	6.6	6	
Ð	2020-03-16	23:12:21	20	3:30p to 11:30p	30-C Team	Ray	1325	803	127	407	5.8	6.4	
Ð	2020-03-17	08:14:28	10	7:30a to 3:30p	10-A Team	Fred	1327		135	357	6.1	6.5	
Ŧ	2020-03-17	09:14:40	10	7:30a to 3:30p	10-A Team	Fred	1328	859	135	357	6.1	6.5	
Ŧ	2020-03-17	10:15:24	10	7:30a to 3:30p	10-A Team	Fred	1328		143	377	6.7	6.1	
m	2020 02 17	11-16-44	10	7-20-1-2-20-	10 A Toom	Ered	1000	077	100	210	c	7.2	





In Addition to the data the log also contains:

- Action
- Source Module
- Computer Name
- Username
- Process Id
- Version of QW6.

	Auto	3 3111		I Calli I C		Datu		CONVEYOR OVER				CIU
	a Q	WLogView - Pr	ocess Mo	nitoring Exam	ole							×
	File	Edit										
١	WARNING: Items listed in the Transaction Log window are constrained by the current Filter settings for this View.											
		Date	Time	Transaction Date	Transaction Time	Action	Source	Computer Name	User Name	Process ID	QW Version	ľ
		YYYY-MM-DD V1	hh:mm:ss V2	YYYY-MM-DD	hh:mm:ss							
		2020-03-20	23:14:42	2021-02-08	12:48:45	E	QW6.exe	DESKTOP-BOPJT8	peter	868	6.0.0.702	1
	L	2020-03-20	23:14:42	2020-09-17	11:09:18	A	QW6.exe	MIKEVOSTRO5581	petrynka.m	5216	6.0.0.675	
E	÷	2020-03-21	00:14:02									
		2020-03-21	00:14:02	2021-02-08	12:48:45	E	QW6.exe	DESKTOP-BOPJT8	peter	868	6.0.0.702	
	L	2020-03-21	00:14:02	2020-09-17	11:09:18	А	QW6.exe	MIKEVOSTRO5581	petrynka.m	5216	6.0.0.675	
E	÷	2020-03-21	01:15:20									1
		2020-03-21	01:15:20	2021-02-08	12:48:45	E	QW6.exe	DESKTOP-BOPJT8	peter	868	6.0.0.702	
1	L	2020-03-21	01:15:20	2020-09-17	11:09:18	А	QW6.exe	MIKEVOSTRO5581	petrynka.m	5216	6.0.0.675	
1-	-	0000 00 04	00.45.00	1	1	1			1			

The **Application Change Transaction log** can be viewed in QWAdmin - Maintain Applications - Open an Application and selecting the Change Log Tab (.LOG)

💣 QW6 /	4 QW6 Administrator build 6.0.702										
File W	/indow Help										
🕥 🔮											
Main Men	Iain Menu Process Monitoring QV/T6 🗙										
Add Nev	Add New Variable 🔜 - Filter Variables X 🗈 X 🖍 M 4 1 of 26 F M 🖗 🕜 🚱 🖃 💿 🎯										
	Time Stamp	User	View	Version	Change Type	Source Type	Variable Name	Name	Old Value	New Value	
•	2019-05-09 14:33:15	MIKEWIN7\Mike/MIK	MAIN	5	Calculation	VARIABLE	# of Rule_Violations	Calculation	@RULE[V8V13,V14	@RULE[V8V19]	
	2019-05-09 14:33:15	MIKEWIN7\Mike/MIK	MAIN	5	Calculation	VARIABLE	% of Varwith Rule_Vi	Calculation	@RULE%[V8V13,V1	@RULE%[V8V19]	
	2019-05-09 14:33:15	MIKEWIN7\Mike/MIK	MAIN	5	Calculation	VARIABLE	% Compliance_to Spe	Calculation	@COMPLYSL%[V8V	@COMPLYSL%[V8V	
	2019-05-09 14:33:15	MIKEWIN7\Mike/MIK	MAIN	5	Calculation	VARIABLE	% Compliance_to Cont	Calculation	@COMPLYCL%[V8V	@COMPLYCL%[V8V	
	2019-07-08 11:44:13	VIDEO-PRODUCTIO\	MAIN	6.0001	SCHEMA	TEMPLATE		ShowMessageLog	False	True	
	2019-07-08 12:16:02	VIDEO-PRODUCTIO\	MAIN	6.0002	General	VARIABLE	Date	HelpFile	C:\Busitech\QW60\sa	C:\Program Files (x86)	
	2019-07-08 12:16:02	VIDEO-PRODUCTIO\	MAIN	6.0002	General	VARIABLE	Time	HelpFile	C:\Busitech\QW60\sa	C:\Program Files (x86)	
	2019-07-08 12-16-02	VIDEO-PRODUCTIO\	MAIN	6 0002	General	VARIABI F	Auto Shift Id	HelpFile		C:\program files (x86)\	

There is also a **Message Log** for each application that is Editable but the user who makes changes to an application. Update the QWAdmin generated changes to be a more readable format and outline the changes made and what important items to note like Specification changes or new variables added. (.QWM)

Variable View	Grid View	General View	Change Log	Message Log				
NOTICE - The fo View MAIN, cha Source: VARIAB Source: VARIAB Source: VARIAB Source: VARIAB View MAIN, cha View MAIN, cha View MAIN, (VEF	Ilowing changes nged by on 201 ILE '# of Rule_V ILE '% of Varw ILE '% Compliand ILE '% Compliand nged by on 201 RSION 6.0001), (have been made to 9-06-13 14:01:48 iolations', changed C ith Rule_Violations', c ce_to Spec_Limits', c ce_to Control_Limits', 9-06-20 13:28:57 9-06-20 13:56:56 changed by on 2019	this application: Calculation from @F changed Calculation changed Calculation , changed Calculation , changed Calculation 9-07-08 11:44:13	RULE[V8V13,V14V on from @RULE%[V8. n from @COMPLYSL ion from @COMPLYC	19] to @RULE[V8V19] .V13,V14V19] to @RULE%[V8V19] &[V8V13,V14V22] to @COMPLYSL%[V8V22] L%[V8V13,V14V22] to @COMPLYCL%[V8V22]			

