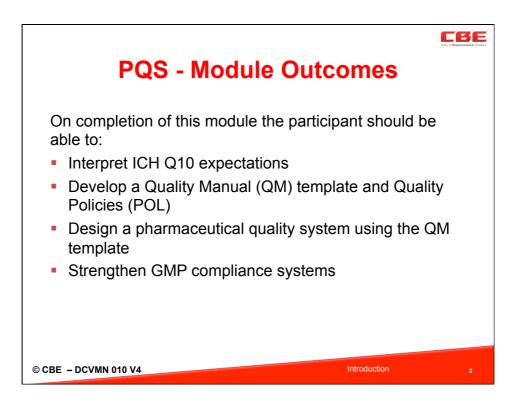
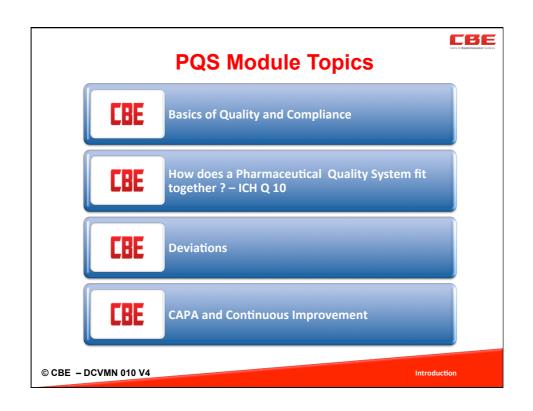


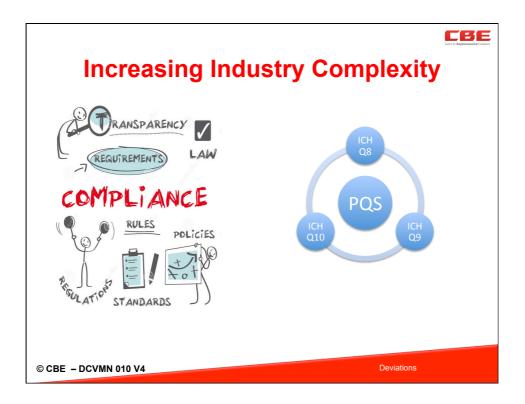
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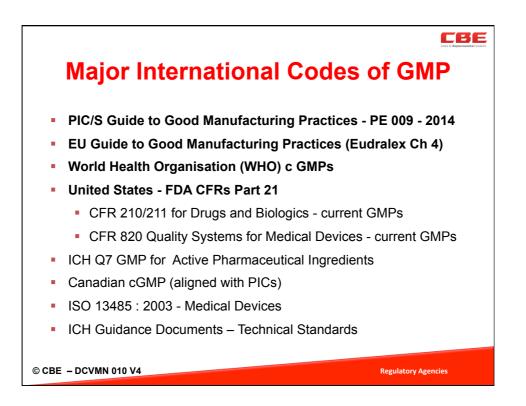
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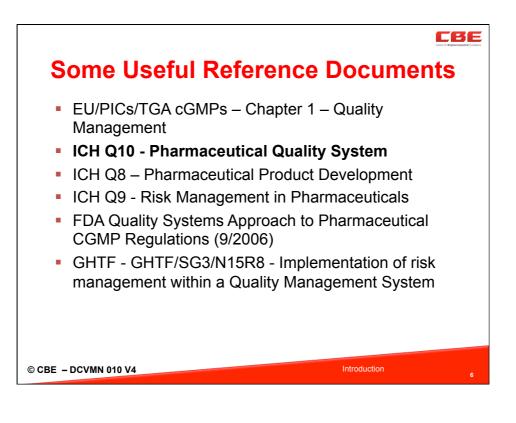
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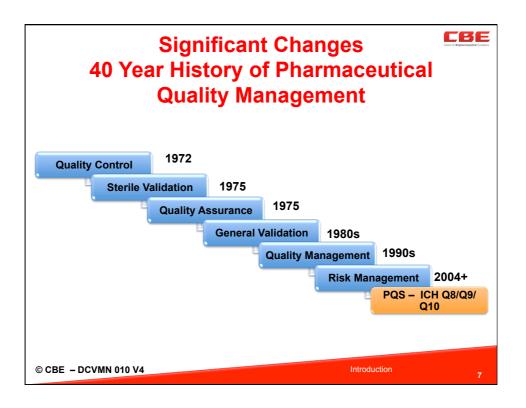


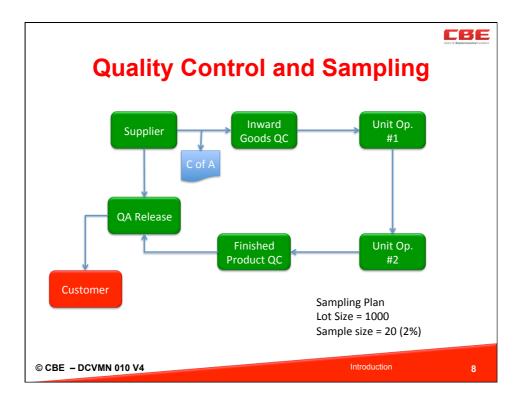


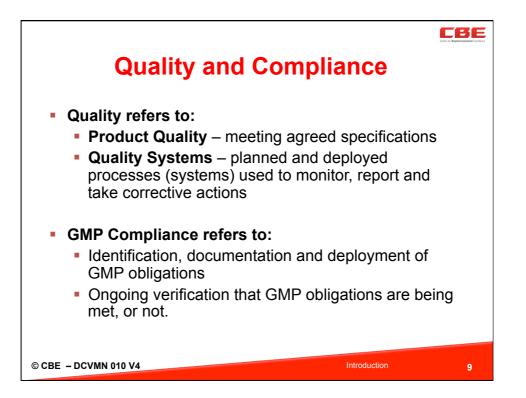


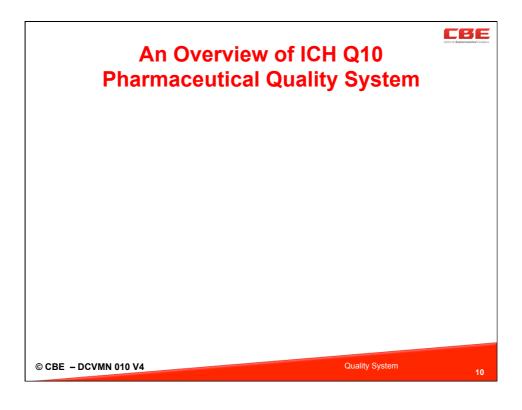




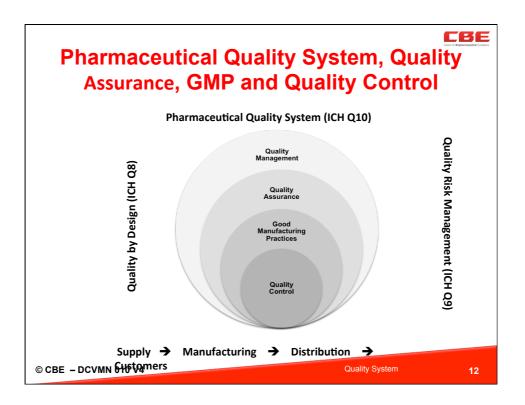


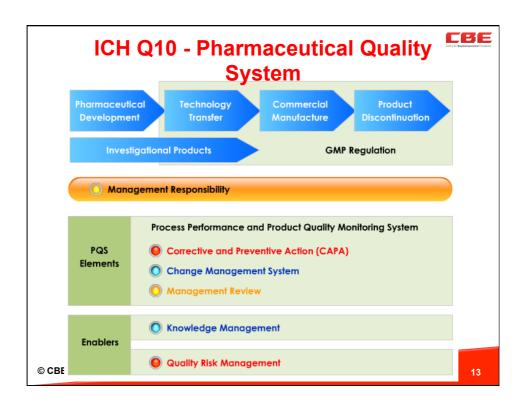


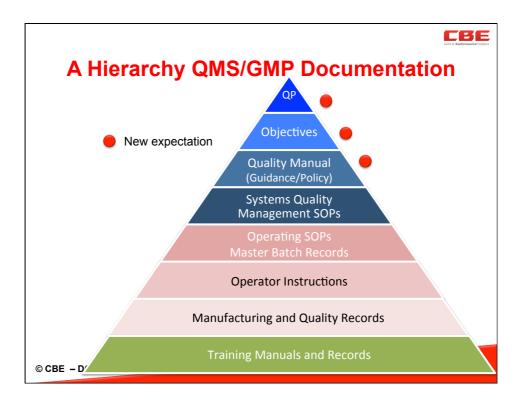


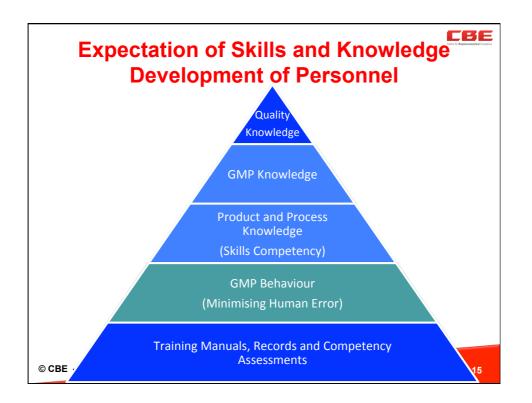


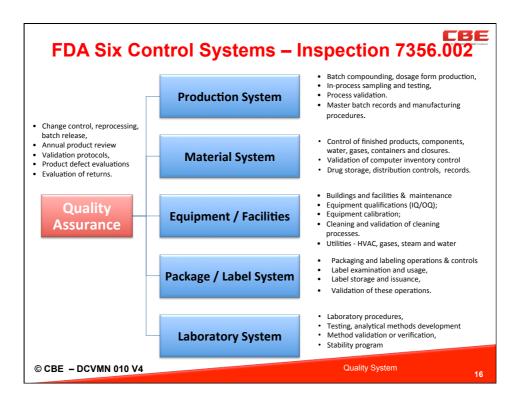


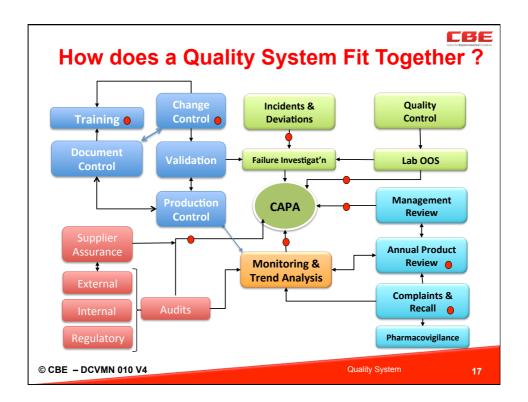


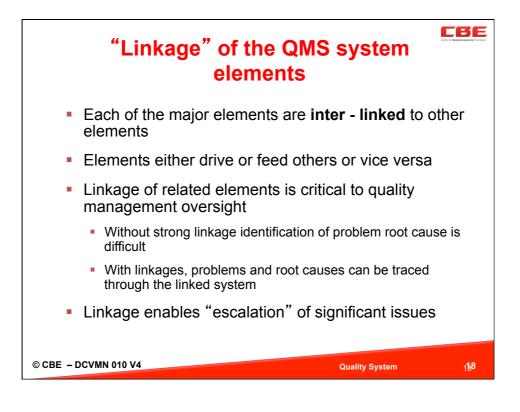


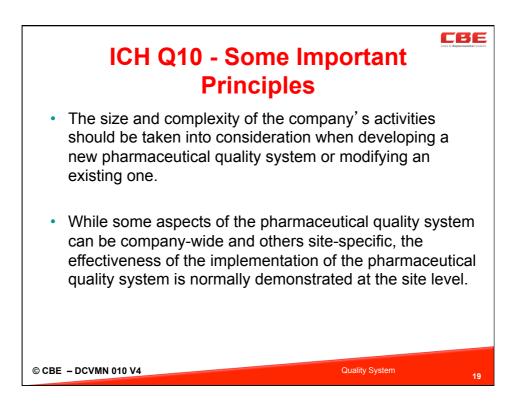


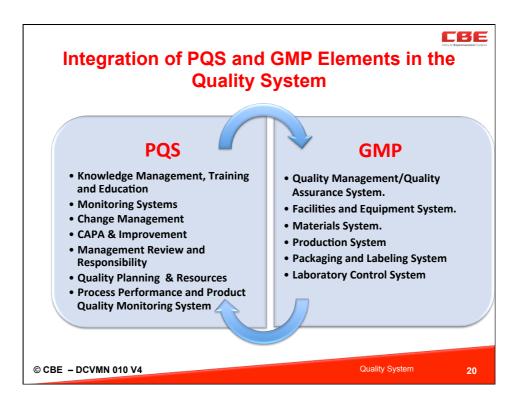


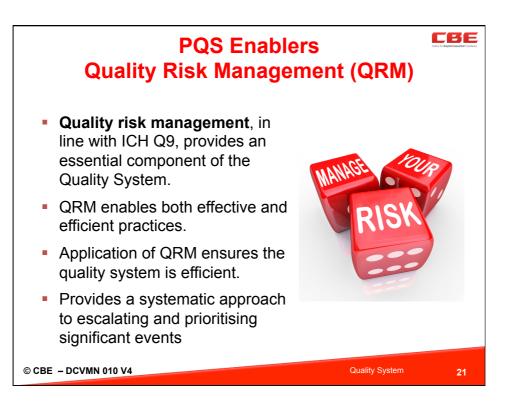


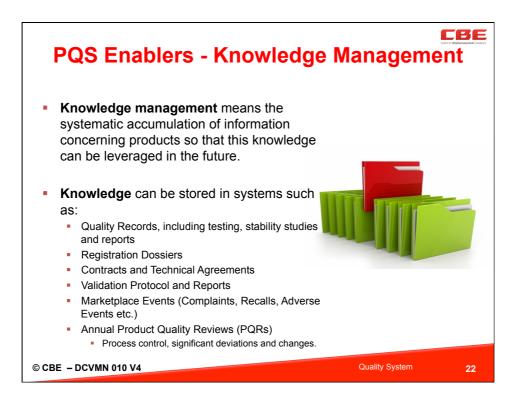


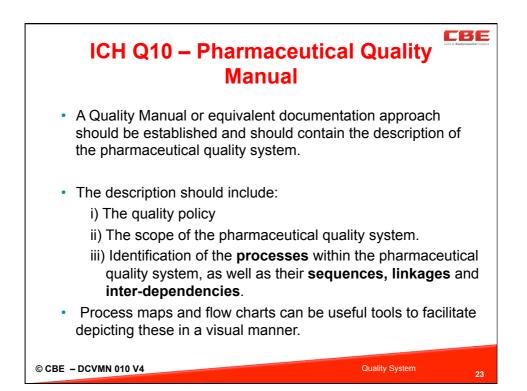






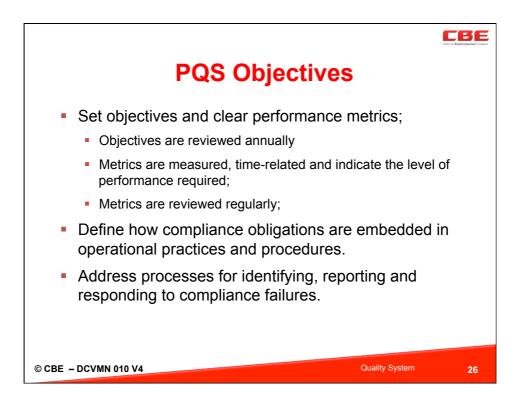








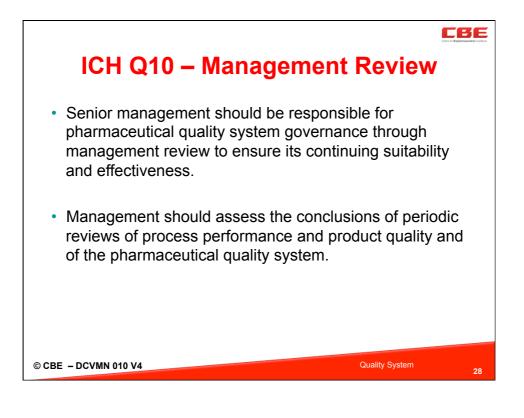




СВЕ

## FDA View on Quality Metrics

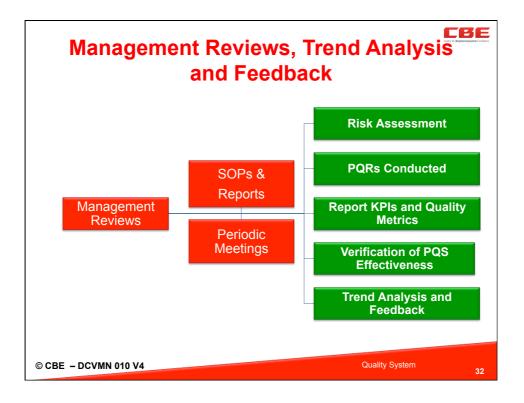
Lot Acceptance Rate Right First Time Rate Complaint Rate Invalidated (OOS) Rate	Number of lots rejected in a year / number of lots produced Number of deviations / lot Number valid complaints/number of lots released per year
Complaint Rate	Number valid complaints/number of lots released per year
•	
Invalidated (OOS) Rate	Number of OOC test results invalidated /tests performed
	Number of OOS test results invalidated /tests performed
Annual Product Review (APR) on Time Rate	Number of APRs generated within 30 days of annual due date
Management Engagement	Most senior manager that signed each annual product review
Process capability or performance index	Whether performed for each critical quality attribute as part of that product's APR.
Corrective and Preventative Action (CAPA) Rate	Number of CAPAs that were initiated due to an APR, divided by the total number of APRs generated.
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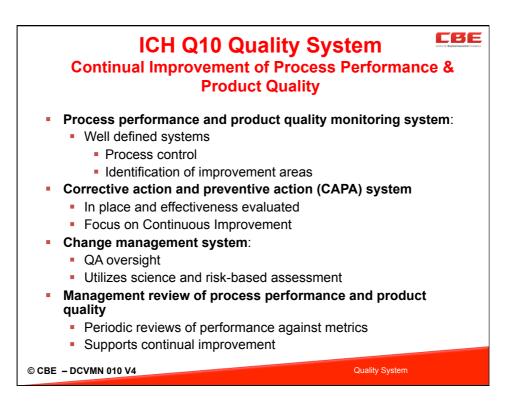


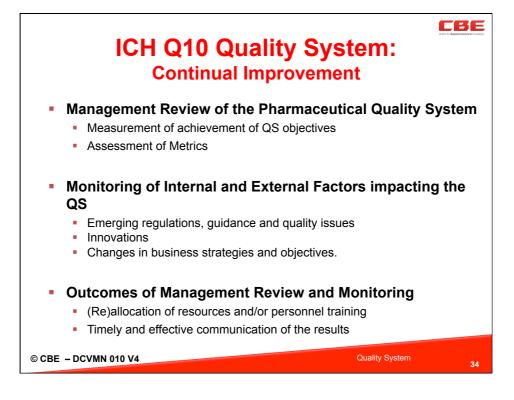




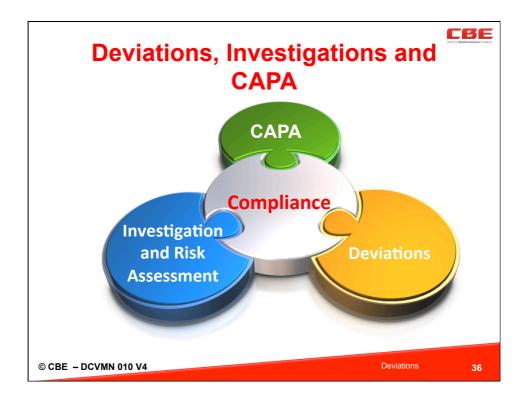








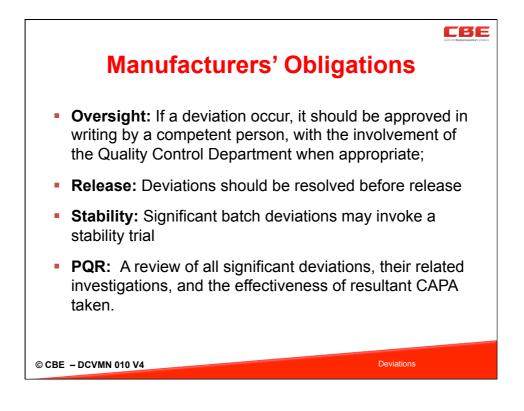
Compliance and Improvement										
Element	Compliance is a cost \$	Regulation Driven	Improved Compliance	Integrated Compliance	Competitive Advantage					
Quality Focus	Testing (QC)	GMPs	Processes and Systems	ICH Q8, 9, 10 Started	ICH Q8,9,10 Embedded					
САРА	Correction (Reactive)	Corrective Action	Prevent. Action (RCA)	Management Reviews	Drive down COQ					
Continuous Improvement	Absent	Event Driven (Reactive)	QA Focus (Predictive)	Operations Focus	Company Wide - Part of Culture					
Compliance	QA/QCs role - minimal Audits	Compliance / GMP Audits	PQS Systems driven audits	Prepare for Regulatory Audits	Welcome External Feedback					
Knowledge & Training	<b>v</b>		Knowledge is Systematic anecdotal Training Evaluated		Knowledge is Leveraged					

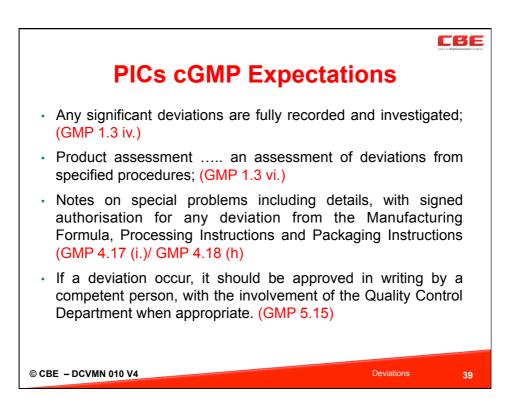


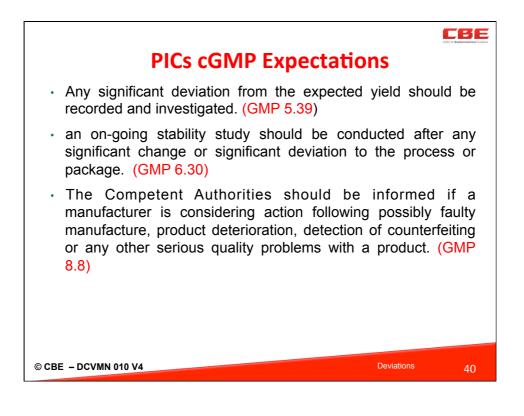
CBE

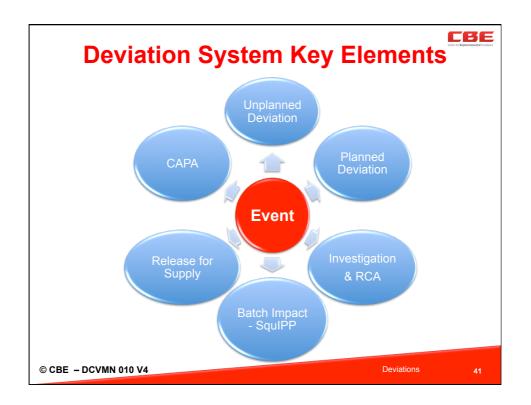
## Top Critical/Major Defect Areas 🔅 MHRA

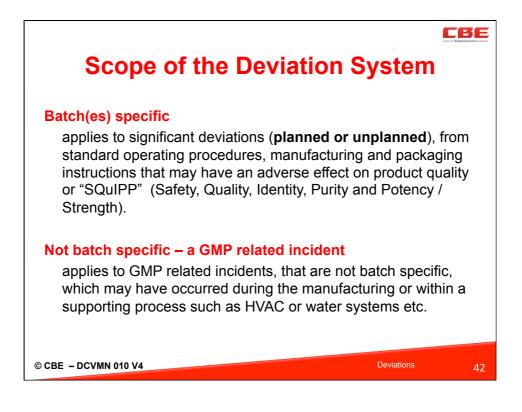
Rank	Defect Category	Percentage of Critical / Major Deficiencies with this Defect Category			
1	Investigation of anomalies	6.5%			
2	Quality management	5.5%			
3	Investigation of anomalies – CAPA	4.7%			
=4	Contamination, chemical/physical (or potential for)	3.7%			
=4	Supplier and contractor audit	3.7%			
6	Quality management – change control	3.6%			
7	Documentation - procedures/PSF/TAs	2.7%			
7	Personnel issues – training	2.7%			
=9	Design and maintenance of equipment	2.6%			
=9	Documentation – manufacturing	2.6%			
=9	Finished product testing - chemical	2.6%			

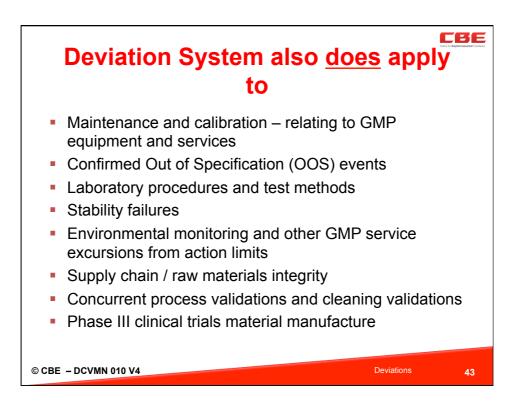




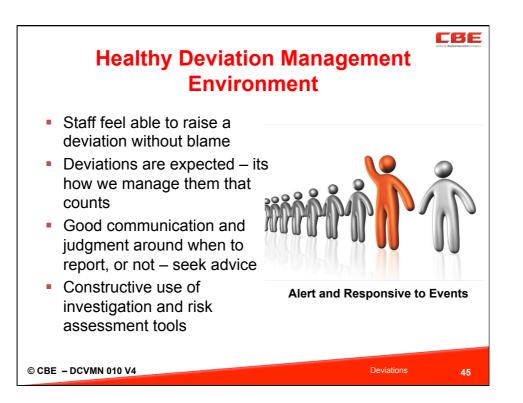


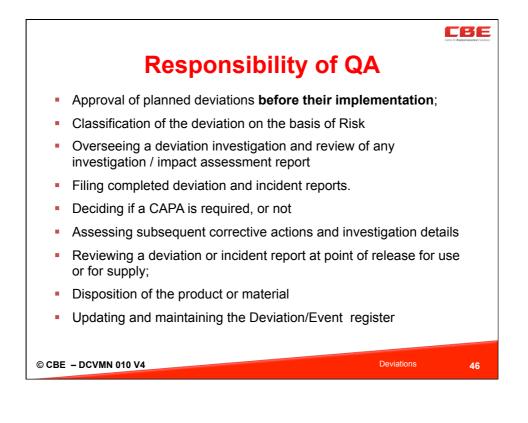


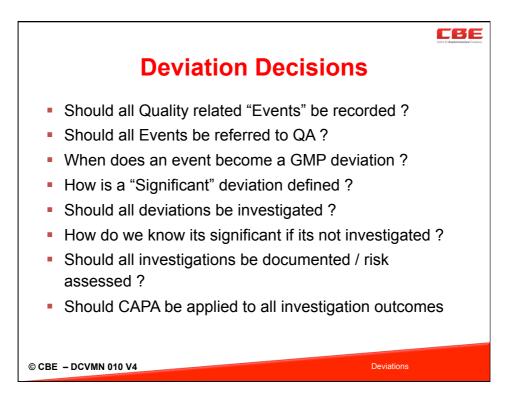


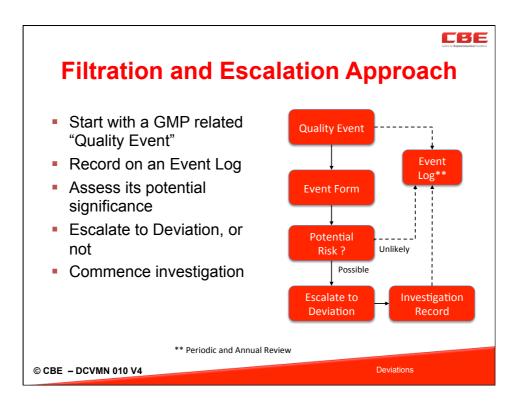








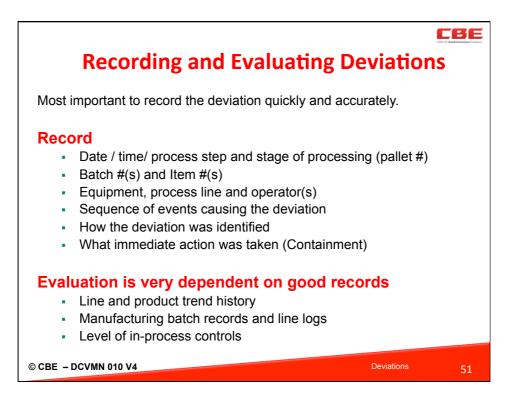






## Checklist to Prompt Preliminary Risk Decision (Potential Risk ?)

1	Likely the event could impact SQuIPP ? (Safety, Quality, Identity, Purity, Potency)	Yes No	Unsure ?
2	Does the event result in an excursion from registered details for this product ?	Yes No Unsure ?	
3	Likely the event could cause physical contamination or cross contamination ?	Yes No Unsure ?	
4	Likely the event could cause loss of identity or traceability ?	Yes No Unsure ?	
5	Likely the event could result in an out of specification result, if tested ?	Yes No Unsure ?	
6	Likely the event could affect product quality or stability in the marketplace ?	Yes No Unsure ?	
7	Is the event related to a GMP non-conformance or outside the "validated state" ?	Yes No Unsure ?	
8	Likely the event has compromised a CPP or a CQA ?	Yes No	Unsure ?
UDL			



R	eport Number: QE/DR	-	Title		
R	efer to SOP 018030 when comp	leting this form.	If this form is typed initial here to version control has been chee		
1.	Quality Event Notice	and Assessme	ent Planned Deviation**	• Unplanned Deviation	
	Origin (√)		Description of the Eve	nt	
	Excursion from MBR		rocess Line, Personnel etc.) or descr	iption of planned deviation and	
	Excursion from SOP	associated control	actions.		
	Excursion from Test Method				
	EM Excursion				
	Equipment Breakdown				
	Facility Breakdown				
	Materials / Components				
	Other				
		Reasons for Conc	lusions:		
	(Progress to deviation)				
**	Planned deviations require the pri	or approval of the Q	A Manager		
	Signed / Dated by QA Manager				
			f the event has been assessed as Not tion (DEV) and continue with the co		

Report Nu	mber: C	APA		Title							entre for Biepi
Refer to	SOP 021 whe	en completin	g this form.					here to co en checked			
related even		used stand a	lone or as a							nificant quality , complaints,	
Short Desc of the Issue										Reference #: **	
** Deviation	#, Internal au	idit #, Compla	aint # or exte	rnal audit #	# etc.					•	-
				Ori	gin (√)						
□ Interna □ Externa	ned Batch De Audit Signifi l Audit Signif Non-Conforr	icant Observa ficant Observ			Planned Deviation Customer Complaint or Adverse Event Laboratory OOS Other:						
If the event	impacts pro	duct, write t	he product r	name, code	and b	atch r	umber h	ere (or att	ach list):		
Product Name:					Produ Code:				Batch No:		]
QA Manag	er (sign)							Date:			1
		1.00									
	gation an										
	stigation pla	n and any sa	ampling and				c.overse	en by the f	QA.Mana	ager. Describe the	_
	Inves e investigati eviewed inc		equired ic.tl					sting / In c any sam		Plan i test plan)	

