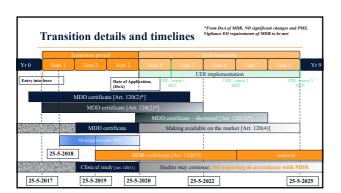


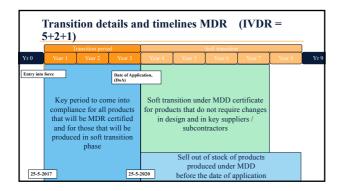
# Every steps towards EU-MDR/IVDR compliance 1. Scope and Plan 2. GAP assessment 3. Portfolio assessment 4. Global Impact assessment 5. Master compliance roadmap 6. Regulatory Training 7. Implementation 8. Effectiveness check EU-MDR/IVDR Compliance Little practical approach

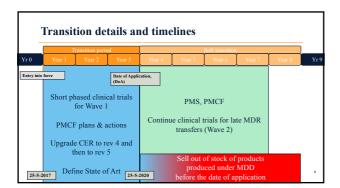


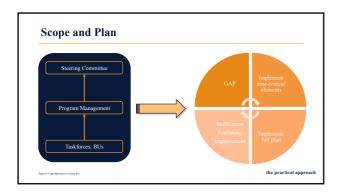
## Objectives in legislative reform Consistently high level of health & safety protection for EU citizens Sufficient clinical data Free and fair trade of medical devices throughout the EU Clinical Evidence Adaption to significant technological & scientific progress in the sector over last 2 decades. State of the art Particular Approximate State of the Control of the State of

# Changes to Notified Bodies Regulation on NB designation & recommendation on NB work Notified Body number dropped from 87 to 56 expectations for next 6-12 months: 10-15 more to go Some remain with reduced scope Notified bodies under pressure and scared Ongoing initial reviews stifle on growing requirements on clinical data and limits to equivalence use Line-extension reviews getting cumbersome Renewal halted; certificates not renewed in time Certificates suspended without clear warning NBs careful in accepting transfers Waiting lists generally increasing

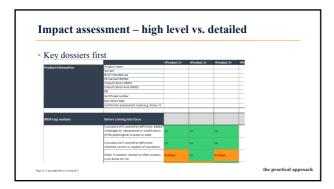


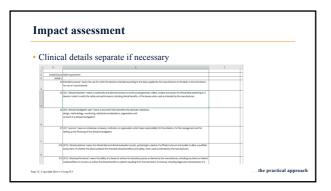












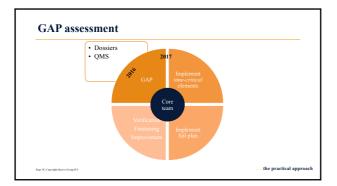
	essment					
1						
03.40 1						
QMS elemen	ts next					
`		OMSI	Status (OK.	Door reviewed	Gep enelysis	i
		UNDI	Chenes, Problem		Cop analysis	1
QMS information	Covered products	ex.	-to be filled if nec			
ano in anoma	Legal entity	o.	rto be filled if neo			
	M5- Current	000	cto be filled if neo	KHRN2		
	ND-Future	xx.	cto be filled if neo	cts be filled if necessaryo		
	Certificate number	m.	sto be filled if ner	sto be filled if necessaryo		
	End of validity of certificate	rv.	cto be filled if neo	cto be filled if necessary		
	Best guess expected end of extended certificate time		-to be filled if nec	MISSES O		
		or .				
	Conformity assessment route-MDD	rv.	rto be filled if neo	CHRY?		
	Conformity assessment route-MDR	o.	-to be filled if no	tisaye		
QMS GAP based on new MDR	Consolidated MDR rev.3					
(26)	Does the manufacturer have a quality management		Problem			
	system, a post-market surveillance system, a system					
	for risk management and a system for reporting of					
	incidents and field safety corrective actions in place? Is it ensured that supervision and control of the	80		cto be filled:	sto be filled:	
(27)	is it ensured that supervision and control of the manufacture of and the post-market surveillance and		ox			
	vigilance activities of medical devices is are carried			cto be filled:	sto be filled:	
h	Does the Manufacturers denomitrate to play an	yes		one per filledo	ono per pilledo	
(51a)	active role during the post-market phase by		ox			
	systematically and actively gathering information	ves		cto be filled:	sto be filled:	

## Draft high level rationales early

- Rationales on classifications
- Rationales to exclude clinical study requirement
- Rationales on equivalence based on own product line
- Rationales on use of historic data
- Rationales on exemption lists

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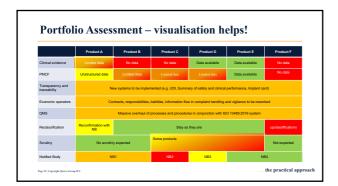
serve		the practical app	oroach			
3 -	Portfolio asse	essment				
Ra	tionalisation and	choice of focus				
A global leading medical devices						
Focus and po	tfolio rationalisa	tion				
Where are the gap     Sufficient clinical dat	? for each indication? anagement, withstanding UAV?	tion				
Where are the gap.     Sufficient clinical dat     Strong supply chain n     Access to all technica      What is key in my     Which products are al	? for each indication? anagement, withstanding UAV?	tion				
Where are the gap.     Sufficient clinical dat     Strong supply chain n     Access to all technica      What is key in my     Which products are al	? for each indication? anagement, withstanding UAV? data?  pipeline? eady nominated to be replaced? rojects absorb most resources?	tion				
Where are the gap Sufficient clinical dat Strong supply chain in Access to all technica  What is key in my Which products are Which development p  Where will new op	? for each indication? anagement, withstanding UAV? data?  pipeline? eady nominated to be replaced? rojects absorb most resources?					

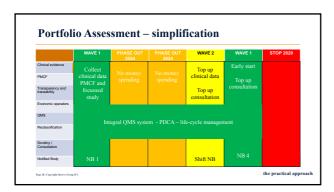
## Portfolio analysis

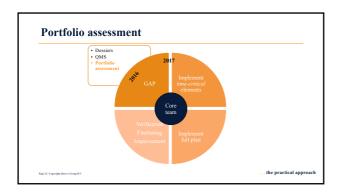
- Still covered by definition?Change in class?

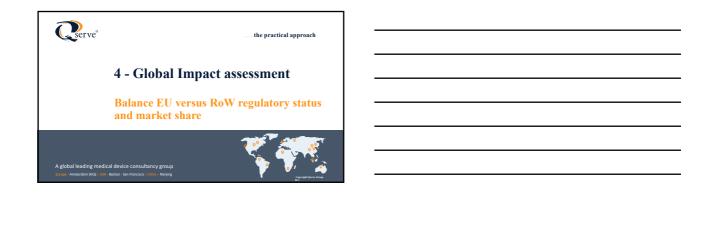
- Enaugh historic (clinical) data?
   Costs for rewrite upgrade new data conformity assessment?
   Dependence on CE in RoW market?
- ROI feasible?

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## Global impact of rationalisation



- Many countries rely on existing certificates in their market approval
- Repurposing of data is complicated in case of differences
- Changes in EU might lead to change notice elsewhere

### Repurposing of data

- Complicated in case of differences in e.g.
   Claims
   Intended use

  - Clinical equivalence base
- Design dossier elements will differ in substantial elements:

  - STED summary
     Risk management
     Labeling, IFU
     Marketing wording
     Etc.

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### Changes in EU might lead to change notice elsewhere

- Initially in MDR compliance jump
   MDR application
   MDD and MDR in parallel

  - Confusion during transition period and soft transitioning
     Timeline for reporting change outside EU: MDD => MDR
- Continuously, as EU-MDR moves to continuous improvement

  - Annual and faster updates CE certificate forseen
     RoW registration slow to follow as not yet on improvement spiral

# Inclusion of RoW impact in portfolio assessment



0.1111			
Stakeholders.	structure	denend	tencies
Stantinulation	ou uctuic,	ucpent	teneres

- · Contributors to extended core-team
- · Corporate lead versus business unit independency
- Coordination and Cooperation
- Central versus local training and communication

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### Time critical elements

- Clinical data generation if gap is big
  Clinical studies if no own data for high risk devices and implants
  PMCF data in general
  Stimulation of literature generation on low risk products
- Supply chain changes that have significant impact
   New suppliers of key ingredients
   New subcontractors of critical sub-assemblies / devices
   Transition away from existing OBL structures
- Shift in Notified Body where needed Full portfolio, or selected product lines

### Link to concurrent changes

- ISO 13485:2016
- MDSAP
- ASEAN
- Eurasian Union
- Compliance improvement systems
- · Corporate programms



- ✓Timelines might be different
- ✓ Focus and drive might be challenging to combine
- Alignment requires corporate / top management sponsorship

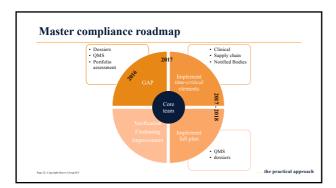
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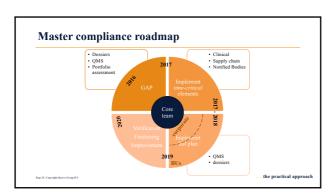
## Early debate with Notified Bodies

- · Resources
- Readiness and timelines; new sampling mechanisms
- · Discussions on rationales
- Discussions on portfolio rationalization
- Discussions on transfer from other NBs

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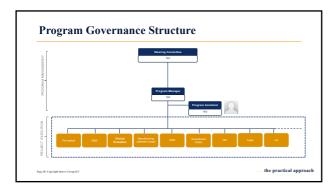




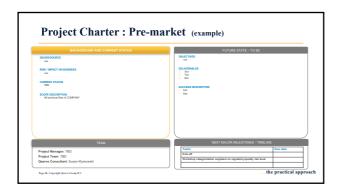
# Communicate repeatedly... Create awareness Sharepoint Internal website Newsletters Training and workshops Workshops at the start of task force projects Workshops to focus on the new philosophy of regulatory continued improvement Training on all new processes Webbinars Many topics Frequent Growing knowledge in Board Awareness workshops Budget workshops

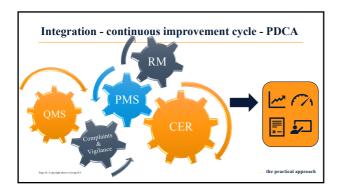




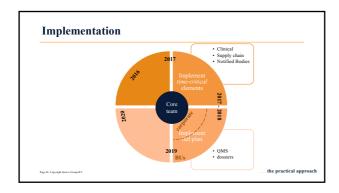








• Resources:	
• Staff	"I choose a lazy person to do a
• Budget	hard job because a lazy person will find an easy way to do
• Patients	it "
<ul> <li>Investigators</li> </ul>	
	Bill Gates
<ul> <li>Internal commitment</li> </ul>	
<ul> <li>Board level</li> </ul>	
<ul> <li>Management level</li> </ul>	
<ul> <li>Staff level</li> </ul>	





A moment of self reflection	
Self reflections     Effectiveness check on revised processes and procedures     Effectiveness check on training of staff     Internal audit     Mock audit (optional)     Management review	
Notified Body Compliance audit	
• Finetuning and CAPA close-out	
• MDR/IVDR certification !!	
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