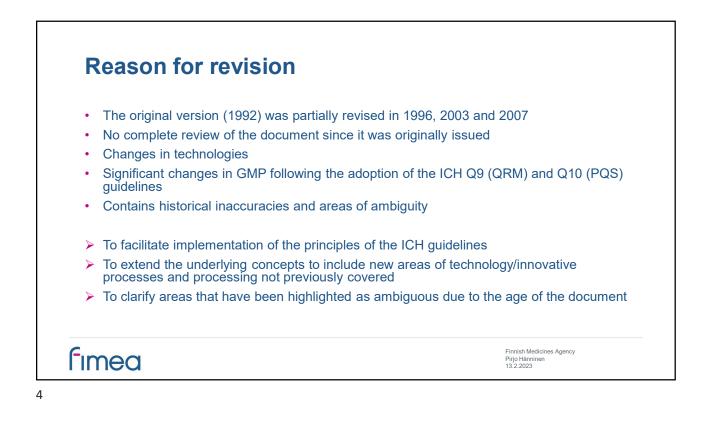
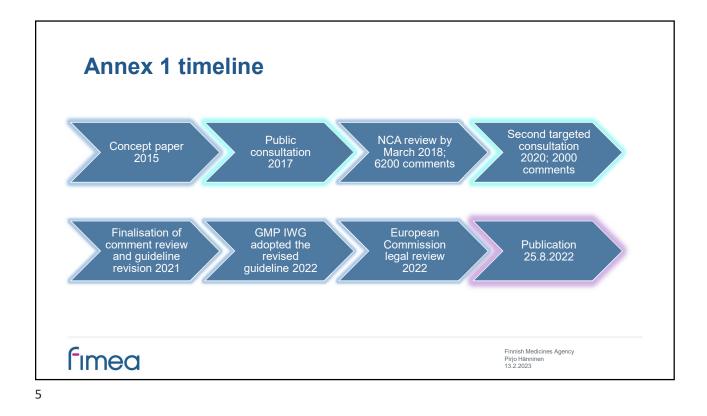
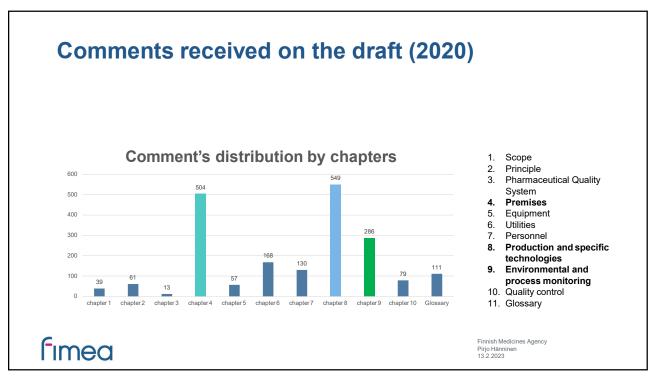


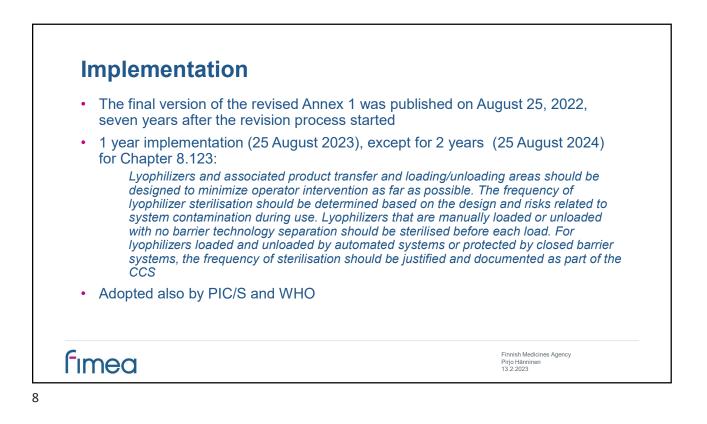
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Previous version dated 30 May 2003, in operation since September 2003 Revision to align classification table of class arrows, to	Date for coming into operation and superseding 01 March 2009 ¹		Previous version dated 30 May 2003, in operation since September 2003 Revision to align classification table of clean rooms, to includeguidance on media simulations, bioburden November 2005 to December 200
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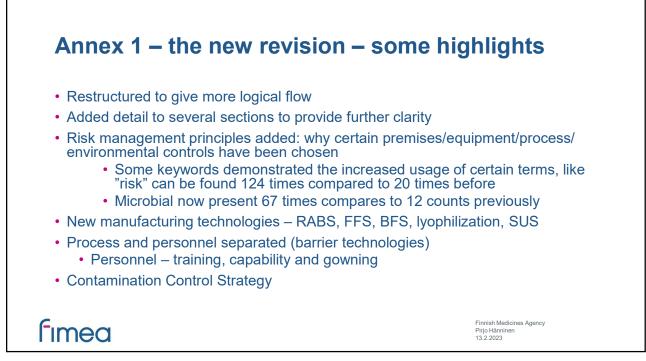




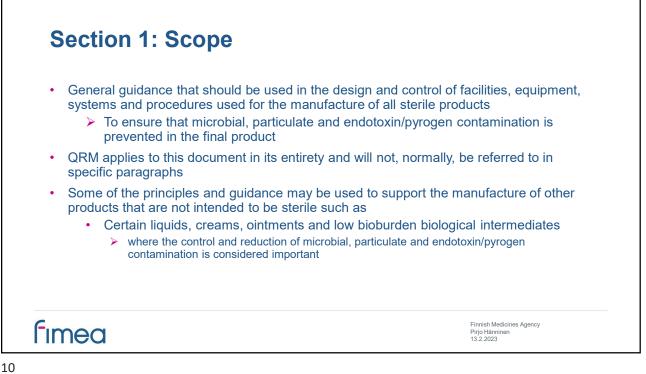


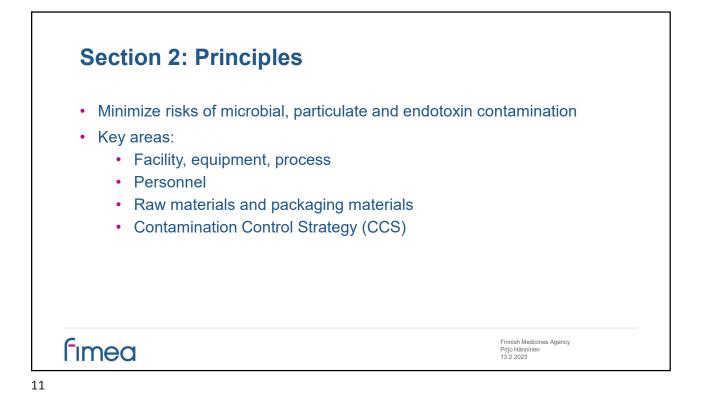


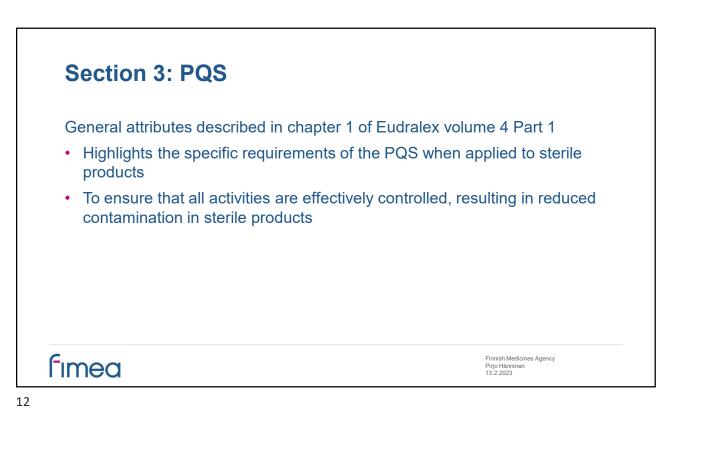


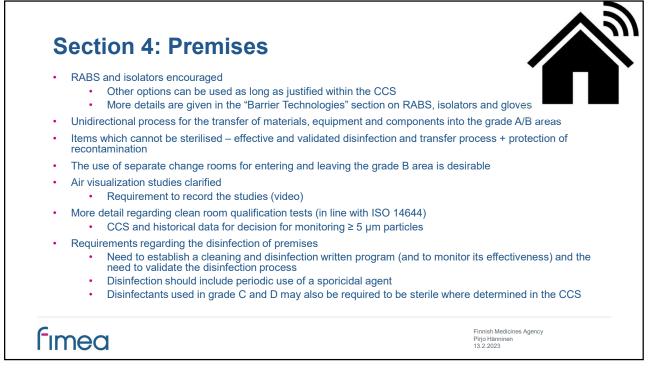


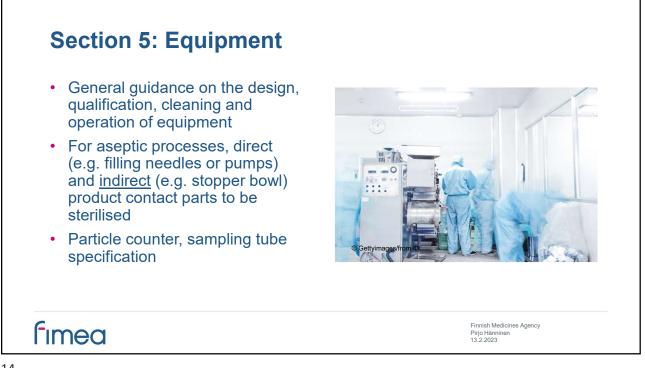


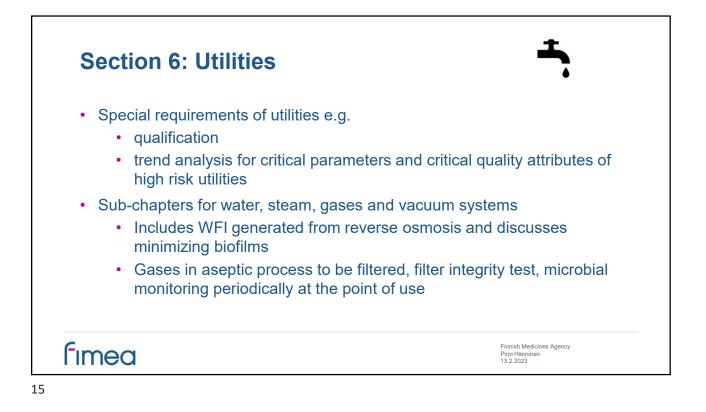


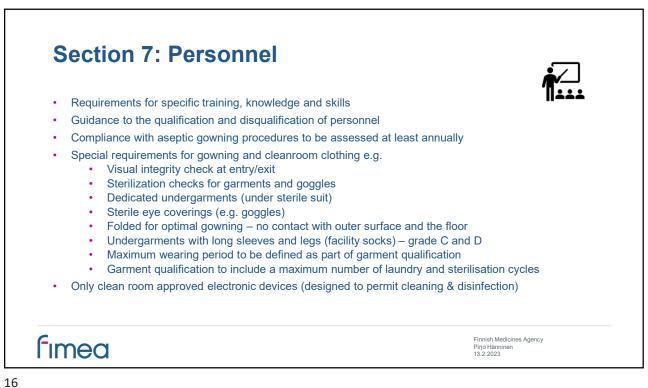










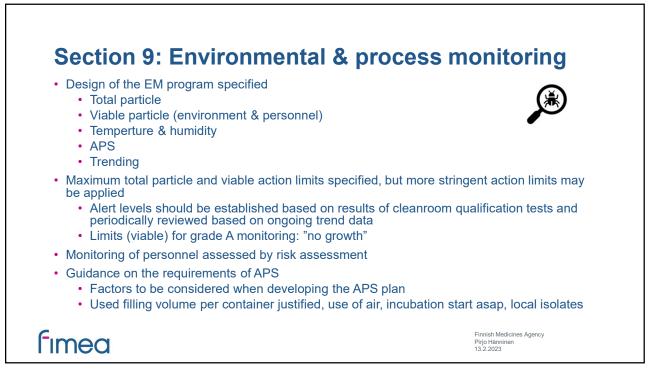


Section 8: Production and specific technologies

- · Terminally sterilised products
- · Aseptic preparation and processing
- · Finishing of sterile products
- Sterilisation heat, moist heat, dry heat, radiation, ethylene oxide, sterile filtration
- Form-Fill Seal (FFS)
- Lyophilization
- Blow-Fill-Seal (BFS)
- Closed systems
- Single use systems (SUS)

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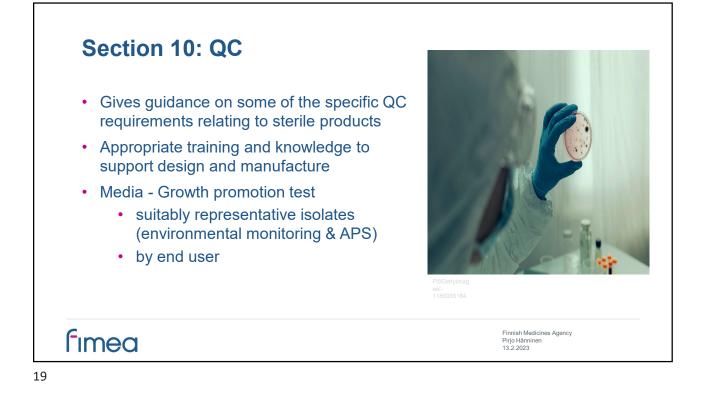
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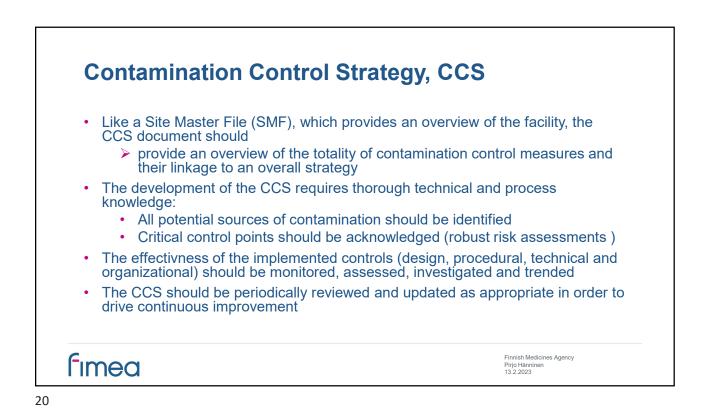


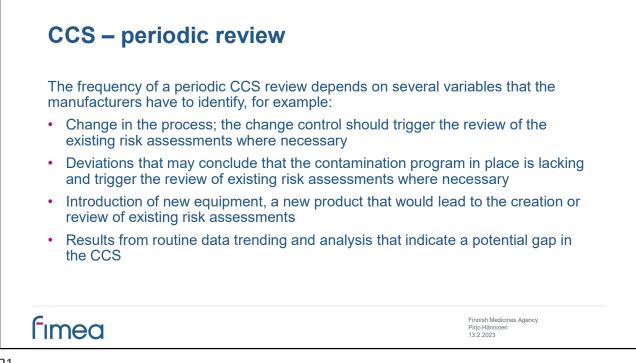




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i.	Design of both the plant and processes including the	x. Process validation	
	associated documentation	ix. Validation of sterilisation processes	
ii.	Premises and equipment	xii. Preventative maintenance – maintaining equipment, utilities and premises (planned and unplanned maintenance) to a standard that will ensure there is no	
iii.	Personnel Utilities Raw material controls Product containers and closures Vendor approval – such as key component suppliers, sterilisation of components and single use systems (SUS), and critical service providers Management of outsourced activities and availability/transfer of critical information between parties, e.g. contract sterilisation services		
iv.		additional risk of contamination	
v.		 xiii. Cleaning and disinfection xiv. Monitoring systems - including an assessment of the feasibility of the introduction of scientifically sound, alternative methods that optimize the detection of environmental contamination xv. Prevention mechanisms – trend analysis, detailed investigation, root cause determination, corrective and preventive actions (CADA) and the prevention 	
vi.			
vii.			
viii.		preventive actions (CAPA) and the need for comprehensive investigational tools	
		xvi. Continuous improvement based on information derived from the above	
ix.	Process risk management		

CCS

The CCS document to contain or referred to e.g.:

- Risk Assessments / Risk Analyses
- Qualification and Validation reports
- Maintenance/calibration programs
- Monitoring and control plans (e.g., IPC, QC release instructions)
- SOPs / policies / working instructions, etc.
- Master batch records, specifications
- · Trending results and reports
- Complaint management and complaints related to potential contamination during manufacturing, e.g., foreign particulates

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