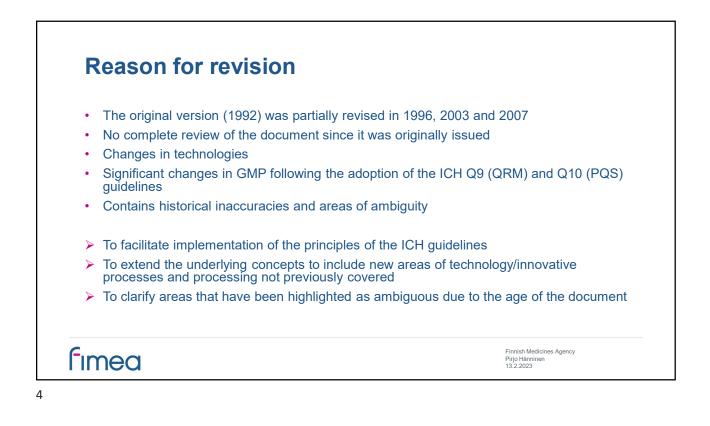
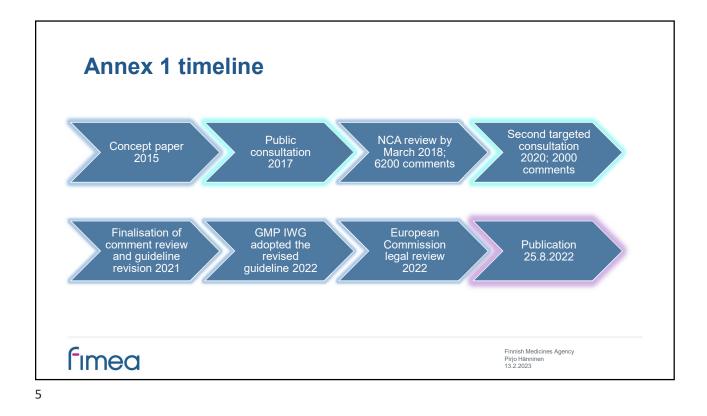
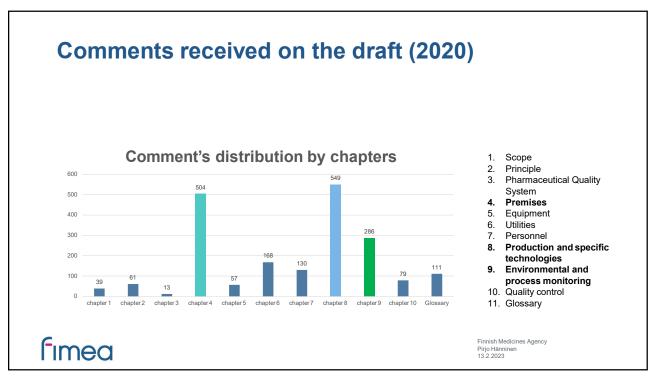
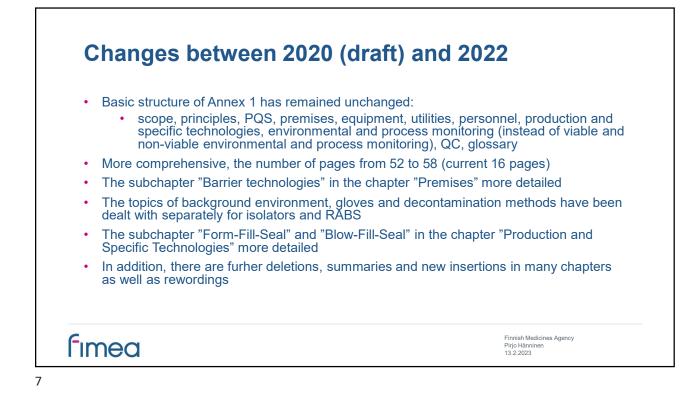


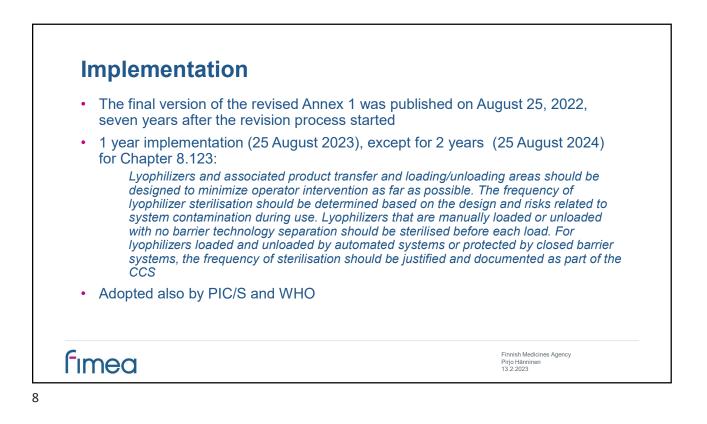
Decement History rrails. Previous version dated 30 May 2003, in operation since September 2003 Revision to align classification table of clean rooms, to include guidance on media simulations, bioburden monitoring and capping of vials November 2005 to December 2007 Data for comine into comparison of the 2007 version of Annex 1. December 2009 ¹ Data for comine into comparison on degramment 01 March 2009 ¹	<u>Manufacture of Sterile Medicinal Products</u> (corrected version)	Use	<u>Manufacture of Sterike Medicinal Products</u> Legal context for publishing the detailed guidelines: Article 47 of Directive 2001/837 on the Community code relating to medicinal products for human use and Regulation 2019 on the Community code relating to veterinary medicinal products. This document provid for medicinal products as und dorbon in Commission Directive (EQ) 2017/15/2 for medicinal products for human use, Directive 9/1412/EEC for veterinary use, and Commission Deeds Regulation (EQU) 2017/15/9 for medicinal products for human use, Directive 9/1412/EEC for veterinary use, and Commission Deeds Regulation (EQU) 2017/59/6 for impediate for an and the second seco
	Previous version dated 30 May 2003, in operation since September 2003 Revision to align classification table of clean rooms, to include guidance on media simultations, bioburdem monitoring and capping November 2005 to provide the provided to provided to provided to provided to provided to provided to provide the provided to provided to provide	le November 2005 to	and arrangements for inspections supplementing Regulation (EU) No 536/2014 on clinical trials. This Annex is intended to assist national authorities in the application of the EU legislation. Only the Court of Justice of the European Union is competent to authoritatively interpret Union law.
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
			01 March 2009/01 March 2010

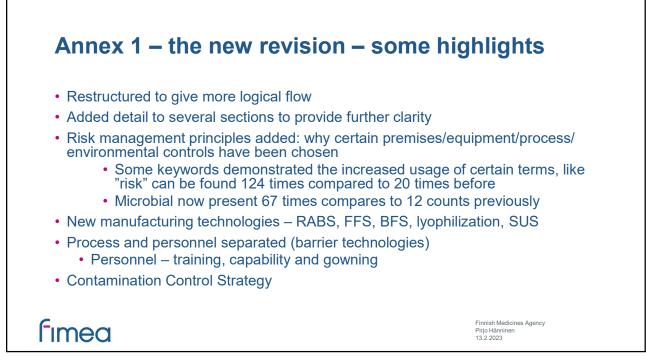




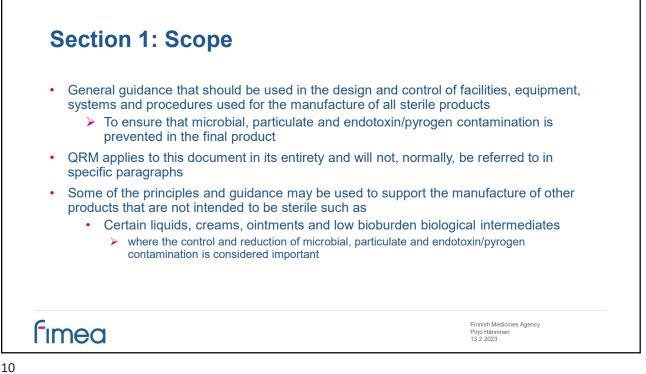


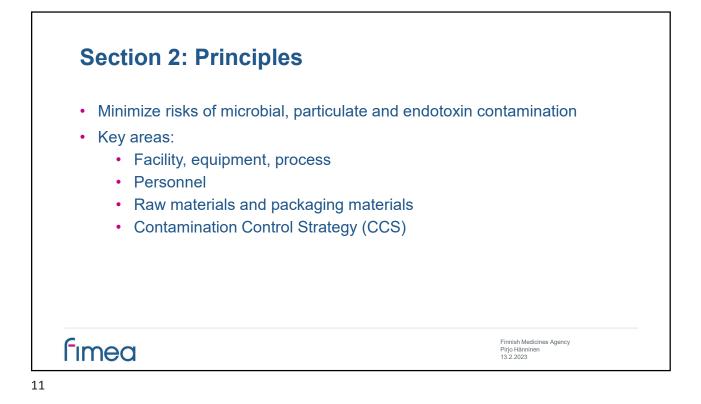


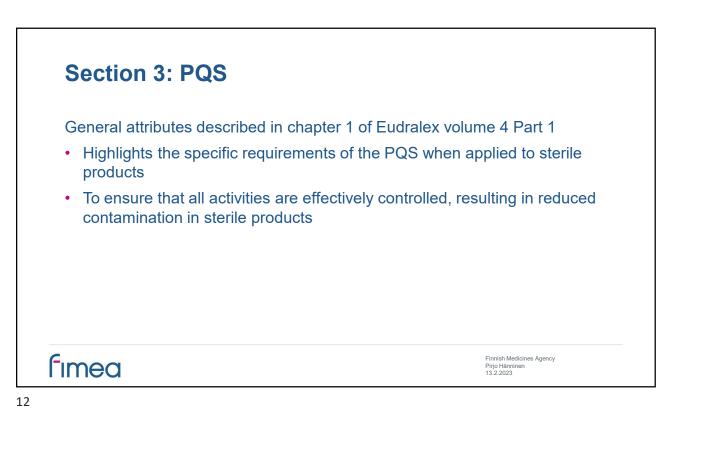


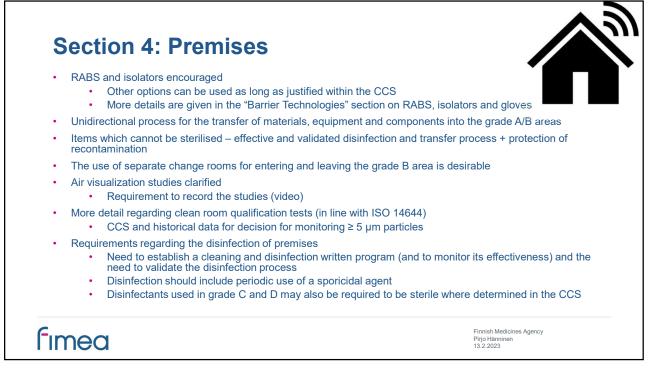


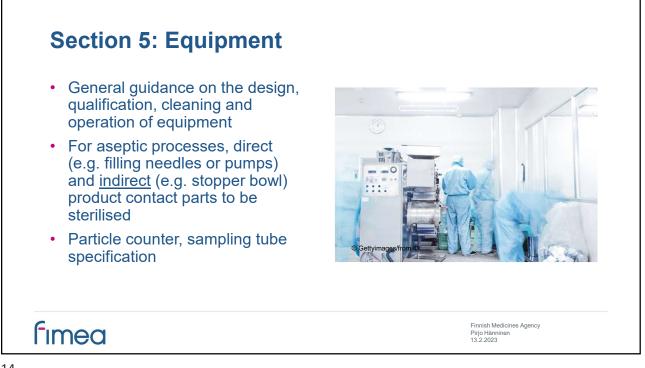


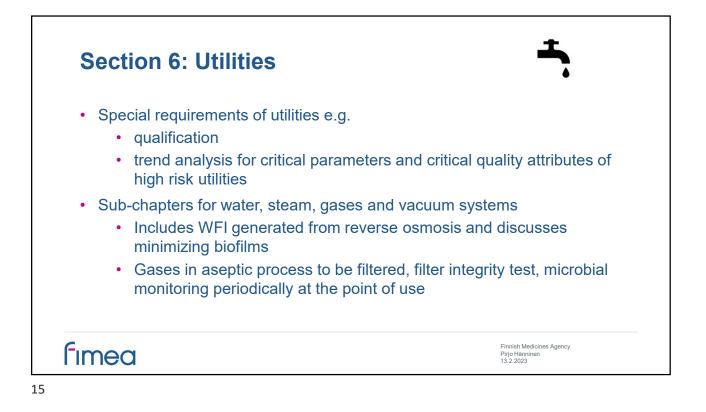


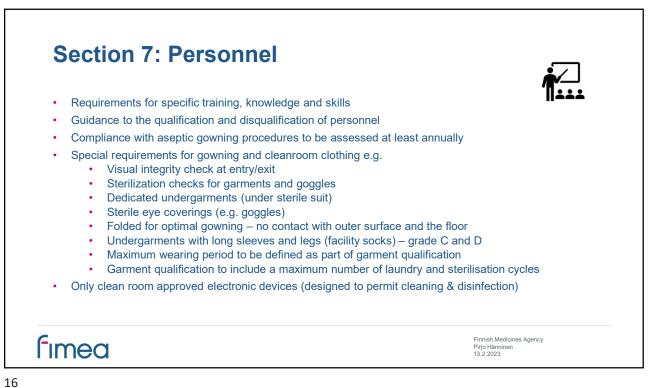










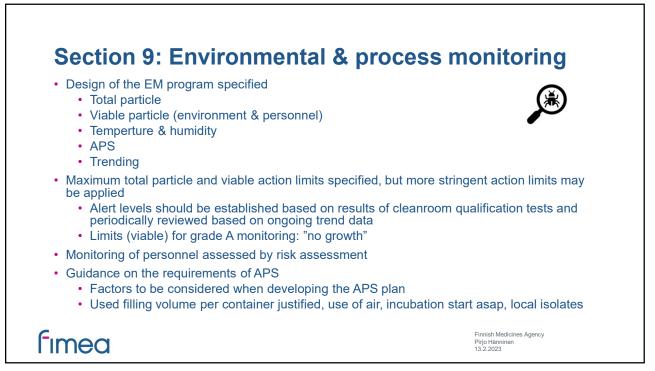


Section 8: Production and specific technologies

- · 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)

fimea

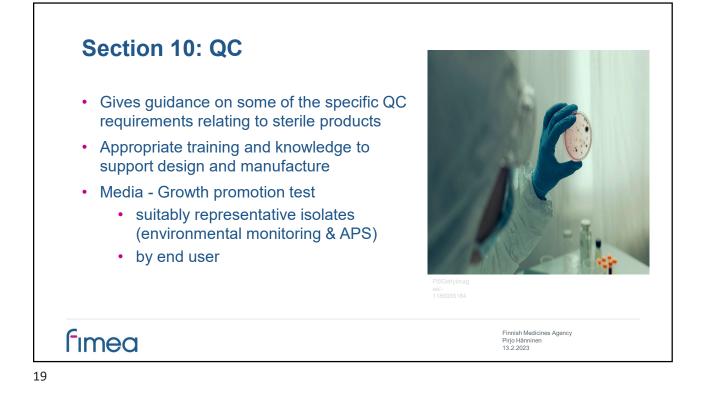
17

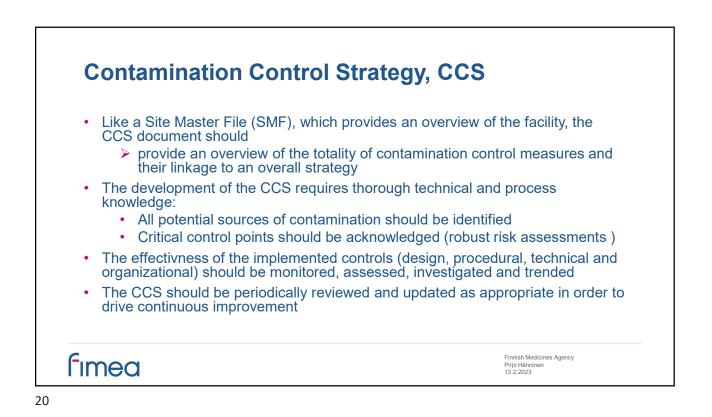


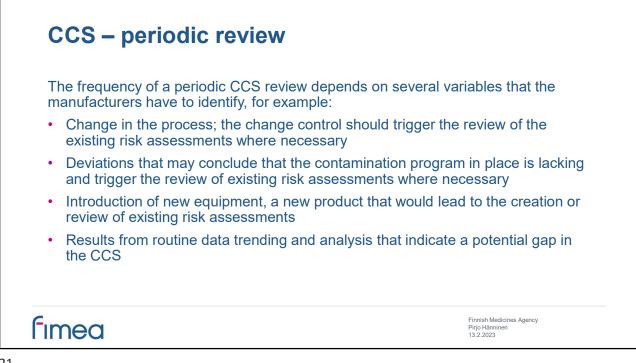




Finnish Medicines Agency Pirjo Hänninen 13.2.2023







2	1
~	-
-	-

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

fimea

Finnish Medicines Agency Pirjo Hänninen 13.2.2023

