











Annex 1 update

• This presentation covers some of the new requirements of this latest DRAFT version of Annex 1





Scope

• The annex covers sterile manufacture but can be used as a reference for non-sterile manufacturing

- Grades of rooms
- Clothing
- Environmental monitoring









Principle General principles as applied to the manufacture of medicinal products The strategy should consider all aspects of contamination control and its life cycle with ongoing and periodic review and update of the strategy as appropriate









Premises

 General guidance regarding the specific needs for premises design and also guidance on the qualification of premises including the use of barrier technology



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 General guidance regarding the specific needs for premises design and also guidance on the qualification of premises including the use of barrier technology

- Air speed measurement locations need to be justified
- Need an approved list of items permitted into the cleanroom
- Transfer hatches to have HEPA filtered air
- Smoke studies videoed
- Viewing windows added at the design stage







Utilities

 Guidance with regards to the special requirements of utilities such as water, air and vacuum

• More guidance on monitoring of water systems









Single Use Systems - EXERCISE

- In GROUPS list 5 advantages and 5 disadvantages of using Single Use Systems
- •10 minutes plus feedback

















New Annex 1 - Single Use Systems (8.137)
SUS should be designed to maintain integrity throughout processing under the intended operational conditions







5/2/23

 New Annex 1 - Single Use Systems (8.139)
 Critical manual handling operations of SUS, such as assembly and connections, should be subject to appropriate controls and verified during aseptic process simulation (media fills)

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Single Use Systems - EXERCISE

• ADVANTAGES (feedback from previous delegates):

- Lower CAPEX
- Less chance of cross-contamination
- Less cleaning validation
- Flexibility
- Less space
- Smaller room
- Lesser Grade of room
- Less autoclaving
- Less water
- Less steam
- Less energy

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