

NIOSH STANDARDS DEVELOPMENT PROCESSES

POSSIBLE IMPLEMENTATION
STRATEGIES FOR NBC
STANDARDS

Approval Program Structure

- Existing
 - Respirator classes
 - Requirements for all classes
 - Conditions of use for all classes
- Additional or Revised Requirements
 - Rulemaking
 - Existing authorities

Respirator Use

IDLH & OXYGEN DEFICIENT

- Unknown/Unpredictable Atmosphere
- Oxygen Deficient
- Limited Entry or Escape
 - SCBA
 - Airline with escape bottle
 - Escape-only Gas Mask (not for Oxygen deficiency)
- Full Face Protection

NON-IDLH

- Known Atmosphere
- Predictable Atmosphere
- Below IDLH Value
- Above Exposure Limit
 - Air Purifying Respirators
 - Effective against agent
 - Within APF
- Full Face Protection

Implementation

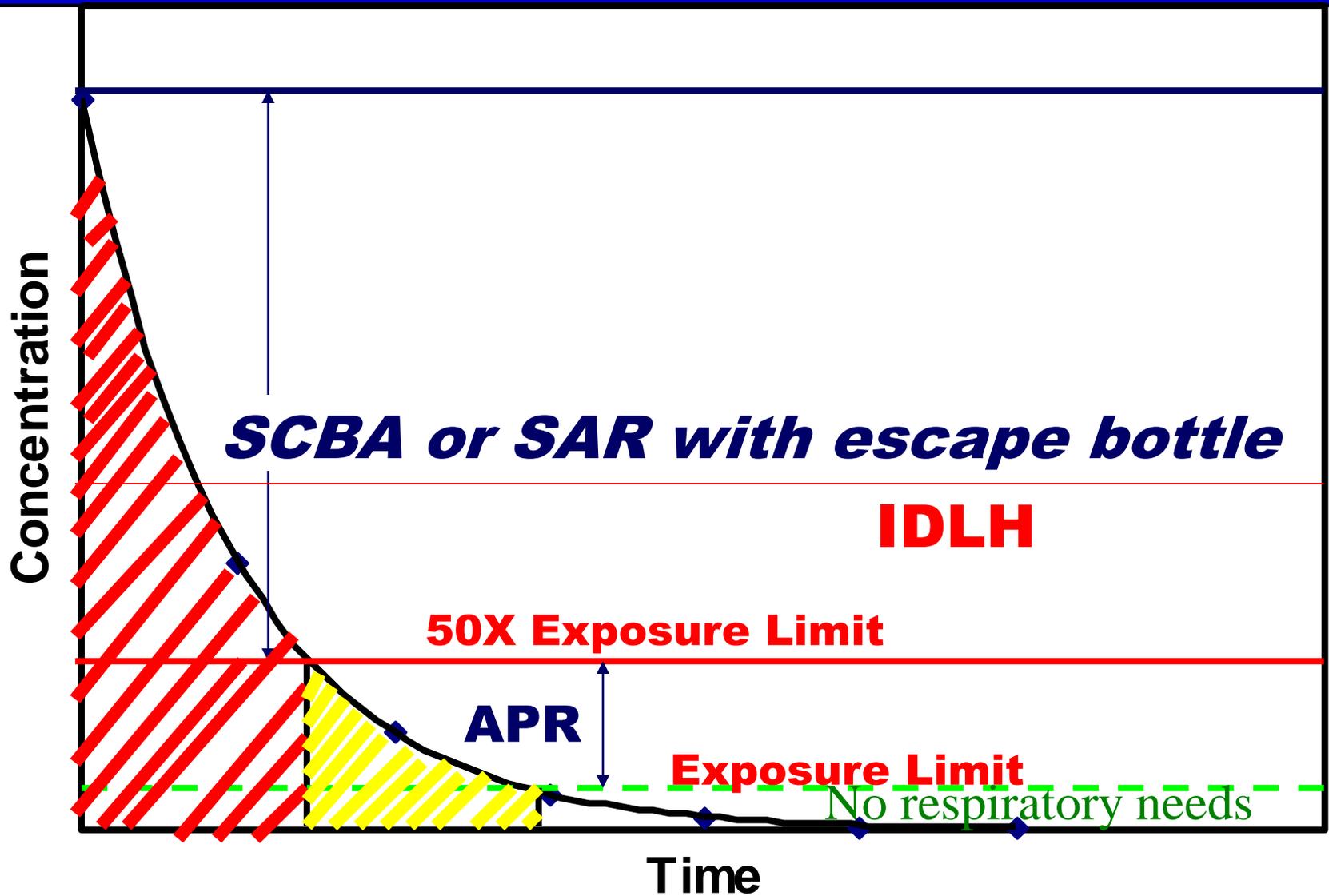
- Use of Existing Authorities
 - § 84.110 and § 84.190 for new gases and vapors
 - § 84.63(c) for new tests and evaluations
 - § 84.60 (a) for existing requirements applied to different class
- Public Process and Rulemaking
 - § 84.60 (b) for a new class
 - Rulemaking

Biologicals and Radiologicals

- Existing Particulate Filter Requirements
 - P-100 or HEPA
- Additional Tests with § 84.63(c) or Rulemaking
 - LRPL (Laboratory Respirator Protection Level)
 - Special conditions of use

Chemical Agents

- New Gas or Vapor Test for APR
 - § 84.110 or § 84.190
 - New agents based on vulnerability assessments
 - Test parameters based on modeling
- Additional Tests With § 84.63(c) or Rulemaking
 - Permeation
 - System integrity
 - LRPL tests
- Special conditions of use



Summary

- SCBA Identified as First Priority
- Defined New Requirements Need to be Added by Policy or Rulemaking Changes
 - Policy can be implemented in months
 - Rulemaking may take years
 - Direction based on extent of changes
- Scientific & Technical Information is Driver

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