

# CDC ECHO Biosafety Program – May 30, 2024

Support: Resources, Competence, and Awareness

## Resources

### International Resources

*International Organization for Standardization (ISO) / European Standards Organization (CEN) Workshop Agreement (CWA)*

- ISO 35001:2019 - Biorisk management for laboratories and other related organisations: <https://www.iso.org/standard/71293.html>
- CWA 15793 - Laboratory biorisk management standard: <https://biosecuritycentral.org/static/d440d0bbeafb340fe2b2b5d0b87be97a/CWA15793..pdf>
- CWA 16393: Laboratory biorisk management - Guidelines for the implementation of CWA 15793:2008: <https://biosecuritycentral.org/static/9f67bf2c781d3f4cde30584a73afab26/CWA%2016393..pdf>
- CWA 16335: Biosafety professional competence: <https://biosecuritycentral.org/resource/core-guidance-and-recommendations/cwa-16335/>

*World Health Organization (WHO)*

- WHO Laboratory Biosafety Manual, 4<sup>th</sup> Edition, and Monographs: <https://www.who.int/publications/i/item/9789240011311>
- WHO Biorisk Management - Laboratory Biosecurity Guidance: <https://www.who.int/publications/i/item/biorisk-management-laboratory-biosecurity-guidance>

*World Organization for Animal Health (WOAH)*

- WOAH – Manual of Diagnostic Tests and Vaccines for Terrestrial Animals (Chapter 1.1.4): <https://www.woah.org/en/what-we-do/standards/codes-and-manuals/terrestrial-manual-online-access/>

*American Biological Safety Association (ABSA) International*

- Principles and Practices of Biosafety: <https://absa.org/events/category/absa-sponsored/ppb/>
- Training Tools and Resources: <https://absa.org/topic/ttr/>
- Biosecurity Symposium: <https://biosecuritysymposium.org/pdc/>
- Annual Conference: <https://absaconference.org>
- Share a Resource: <https://absa.org/share-resource/>

*Public Health Canada*

- Public Health Canada – Pathogen Safety Data Sheets: <https://www.canada.ca/en/public-health/services/laboratory-biosafety-biosecurity/pathogen-safety-data-sheets-risk-assessment.html>
- Public Health Canada – Canadian Biosafety Handbook, 2<sup>nd</sup> Edition: <https://www.canada.ca/en/public-health/services/canadian-biosafety-standards-guidelines/handbook-second-edition.html>

### National Resources

*Centers for Disease Control and Prevention (CDC)*

- Biosafety in Microbiological and Biomedical Laboratories (BMBL), 6<sup>th</sup> Edition: <https://www.cdc.gov/labs/bmb/>
- Biosafety Resources and Tools: <https://www.cdc.gov/safelabs/resources-tools/biosafety-resources-and-tools.html>

### *National Institutes of Health (NIH)*

- Dual Use Research of Concern: <https://osp.od.nih.gov/policies/biosafety-and-biosecurity-policy/>
- National Science Advisory Board for Biosecurity (NSABB): <https://osp.od.nih.gov/policies/national-science-advisory-board-for-biosecurity-nsabb/>

### *Affiliate Organizations*

- ABSA International – Find an Affiliate: <https://absa.org/find-affiliates/>

### *U.S. Department of Transportation*

- Transporting Infectious Substances Safely: <https://www.phmsa.dot.gov/sites/phmsa.dot.gov/files/2020-04/Transporting-Infectious-Substances-Safely.pdf>

### *U.S. Department of Agriculture*

- Biorisk Management Manual: <https://www.aphis.usda.gov/sites/default/files/aphis-biorisk-management-manual.pdf>
- Agricultural Research Service (ARS) Symposium: <https://arssymposium.org/>

### *State of New Mexico (NM) Resources*

- Bureau of Health Emergency Management (BHEM): <https://www.nmhealth.org/about/erd/bhem/>
- NM Department of Homeland Security Emergency Management: <https://www.preparingnewmexico.org/index.aspx>
- NM Environment Dept: <https://www.env.nm.gov/>

### *U.S. Environmental Protection Agency (EPA)*

- Chemical, Biological, Radiological, and Nuclear Quick Reference Guides: <https://www.epa.gov/emergency-response/chemical-biological-radiological-and-nuclear-quick-reference-guides>

### *Federal Select Agent Program*

- Suitability Assessment Program Guidance: <https://www.selectagents.gov/compliance/guidance/suitability/index.htm>

### *Occupational Safety and Health Administration (OSHA)*

- 1910.1020 - Access to employee exposure and medical records: <https://www.osha.gov/laws-regs/regulations/standardnumber/1910/1910.1020>

## **Competence**

### *European Standards Organization (CEN)*

- CWA 16335: Biosafety professional competence: <https://biosecuritycentral.org/resource/core-guidance-and-recommendations/cwa-16335/>

### *American Biological Safety Association (ABSA) International*

- Credentials: <https://absa.org/credentials/>
- Certified Biological Safety Professional (CBSP): <https://absa.org/cbsp/>
- Registered Biological Safety Professional (RBP): <https://absa.org/rbp/>

### *International Federation of Biosafety Associations (IFBA)*

- Certification: <https://internationalbiosafety.org/certification/prepare-for-an-exam/>

*American Society of Clinical Pathologists (ASCP)*

- Qualification in Laboratory Safety (QLS) Competencies: [https://www.ascp.org/content/docs/default-source/boc-pdfs/boc-us-guidelines/qls\\_topic\\_outline.pdf?sfvrsn=22](https://www.ascp.org/content/docs/default-source/boc-pdfs/boc-us-guidelines/qls_topic_outline.pdf?sfvrsn=22)

*Indiana University of Pennsylvania*

- Biorisk Management Certificate: <https://www.iup.edu/academics/find-your-degree/programs/acad/ug/biorisk-management-certificate.html#program-details>

## Awareness

*Training*

- CDC Biosafety Trainings: <https://www.cdc.gov/safelabs/trainings.html>
- NIH/NIAID – National Biosafety and Biocontainment Training Program Intramural Research Training Award (NBBTP/IRTA): <https://www.niaid.nih.gov/research/nbbtp-irta>
- Frontline Foundation: <http://frontlinefoundation.org/online-training/>
- Asia-Pacific Biosafety Association: [http://www.a-pba.org/information/121#tabIFBA\\_Certification\\_Exam](http://www.a-pba.org/information/121#tabIFBA_Certification_Exam)
- Biosafety Training Institute: <http://www.bti.ed.ac.uk/biorisk-management/>

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