

13. Appendices

Appendix A: Tenability Criteria Summary

Parameter	Threshold	Basis
Temperature	< 60.0 °C	ISO/TS 13571 thermal tolerance limit
Visibility	> 5.0 m	Unfamiliar occupants, illuminated signs
CO ₂	< 5.0 %	Hyperventilation and performance degradation
CO	< 1400.0 ppm	10-15 min exposure without incapacitation
O ₂	> 15.0 %	Hypoxia effects and coordination loss

Appendix C: Glossary

Term	Definition
ASET	Available Safe Egress Time - time until untenable conditions
CFD	Computational Fluid Dynamics - numerical simulation of fluid flows
COHb	Carboxyhemoglobin - CO bound to hemoglobin in blood
FDS	Fire Dynamics Simulator - NIST fire modeling software
FED	Fractional Effective Dose - cumulative exposure metric