

1. Record Nr.	UNINA9910819955203321
Titolo	Testing of body armor materials, phase III // Committee on Testing of Body Armor Materials for Use by the U.S. Army-Phase III, Board on Army Science and Technology, Division on Engineering and Physical Sciences and Committee on National Statistics, Division of Behavioral and Social Sciences and Education, National Research Council of the National Academies
Pubbl/distr/stampa	Washington, District of Columbia : , : National Academies Press, , [2012] ©2012
ISBN	0-309-25600-3
Descrizione fisica	1 online resource (340 p.)
Disciplina	623.4/41
Soggetti	Armor - United States - Testing Personal protective equipment - United States - Testing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction -- Overview of body armor -- Historical basis for current body armor testing -- Clay and backing materials -- Instrumentation and procedures for measuring an indent in a clay backing material -- Statistical considerations in body armor testing -- Helmet testing -- Medical basis for future body armor testing -- Future improvements in testing methodology. Appendices: Biographical sketches of committee members -- Committee meetings -- Additional phase III tasks -- Report sections cross-referenced to the statement of task -- Ballistic body armor insert composition and defeat mechanisms -- Committee responses to the government accountability office report -- Determining the necessary level of precision for body armor testing -- Statistical tolerance bounds -- Analytical approaches for comparing test protocols -- Contemporary methods for assessing behind-armor blunt trauma in live animals -- Phase I findings -- Phase II recommendations -- Estimating the accuracy and precision of the digital caliper and faro laser.

