

Biokinetics has a long history of contributing to and developing protective system standards and specifications for regulating agencies, governing bodies, industry and sports organizations. Defining performance criteria, developing test methods and ensuring the feasibility of newly proposed performance requirements are core areas of our expertise.



In sports, Biokinetics has contributed to head protection standards and play guidelines for the American Society for Testing and Materials (ASTM), the Canadian Standards Association (CSA), The Fédération Internationale de Football Association (FIFA) and the National Football League (NFL) resulting in safer products and reduced injury risk.

In transportation safety for automobiles and motorcycles we have contributed to performance assessment and occupant safety standards on behalf of the CSA, The National Highway Traffic Safety Administration (NHTSA), the International Standards Organization (ISO), the Snell Memorial Foundation and Transport Canada.



In law enforcement and corrections Biokinetics has analyzed threat environments and developed new test methodologies in support of new standards for crowd control equipment such as body protectors, batons, and helmets. We have developed new test methods for body armour and helmet related blunt trauma. Standards bodies such as the CSA, National Institute for Justice (NIJ) and the Royal Canadian Mounted Police (RCMP) have benefited from our expertise.

In military, Biokinetics has contributed to organizations such as the Canadian Department of National Defence (DND), Defence Research and Development Canada (DRDC), U.S. Army Natick Soldier Research Development and Evaluation Center, Australian Defence Science and Technology Organisation, North Atlantic Treaty Organization (NATO) Research and Technology Organisation (RTO) and The Technical Cooperation Program (TTCP) to develop test methodologies for assessing behind armour blunt trauma (BABT), blast effects and less lethal weapons.

No matter what the threat, Biokinetics can help develop reliable and relevant performance assessment methods, standards and specifications.