Record Nr. UNINA9910220148803321 Autore Hamilton Thomas (Physical scientist) Titolo Expendable missiles vs. reusable platform costs and historical data // Thomas Hamilton [et al.] Santa Monica, CA:,: Rand;, 2012 Pubbl/distr/stampa **ISBN** 0-8330-8322-8 Descrizione fisica 1 online resource (x, 15 pages): illustrations Collana Technical report (Rand Corporation) 358.4/2820973 Disciplina Air warfare - Economic aspects - United States Soggetti Air-to-surface missiles - Cost effectiveness - United States Bombing, Aerial - United States Precision guided munitions - United States United States Armed Forces Weapons systems Cost effectiveness Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Bibliographic Level Mode of Issuance: Monograph Note generali Nota di contenuto Expendable missiles versus reusable platform costs and historical data Appendix A: Model assumptions and methodology Appendix B: Data sources Appendix C: Additional cost excursions This report evaluates the economic wisdom of relying primarily on Sommario/riassunto expendable weapons, such as cruise missiles, to conduct air-to-ground strike missions. Focusing solely on cost, the author examined the U.S. historical use of air-to-ground attack during and since the Vietnam War, looking, among other things, at the length of each conflict and the weapons expended. Only if the United States is confident that all possible conflicts over the system lifetime can be ended in a total of less than about ten days is exclusive reliance on expendable assets prudent. Expendable weapons do have some important operational advantages, but if the United States wishes to maintain the capability to wage air war efficiently for more than a few days, reusable platforms

are an important part of an efficient force mix.