1. Record Nr. UNINA9910956562203321 Autore Aronstein David C Titolo The lightweight fighter program: a successful approach to fighter technology transition / / David C. Aronstein, Albert C. Piccirillo Reston, Va., : AIAA, c1996 Pubbl/distr/stampa **ISBN** 1-60086-804-5 1-60086-803-7 Descrizione fisica 1 online resource (74 p.) Altri autori (Persone) PiccirilloAlbert C Disciplina 358.4/383 Soggetti Fighter planes - United States Airplanes, Military - United States - Prototypes Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia "AIAA case study"--Cover. Note generali Includes bibliographical references (p. 57-59). Nota di bibliografia ""COVER""; ""TITLE""; ""ACKNOWLEDGMENT""; ""ABOUT THE AUTHORS""; Nota di contenuto $\verb|""COPYRIGHT""; ""CONTENTS""; ""PREFACE""; ""INTRODUCTION""; \\$ ""Environment at the Initiation of the Lightweight Fighter Program""; ""New Prototyping Philosophy: Experimental Prototyping""; ""LIGHTWEIGHT FIGHTER PROGRAM""; ""Purpose""; ""Philosophy and Program Management""; ""Source Selection""; ""Flight Test Approach and Organization""; ""YF-16""; ""Development History""; ""Technology""; ""Flight Test""; ""YF-17""; ""Development History""; ""Technology""; ""Flight Test""; ""OUTCOME OF THE LIGHTWEIGHT FIGHTER PROGRAM"" ""Technology Achievements"""Lessons Learned""; ""APPENDIX: TRANSITION TO PRODUCTION PROGRAMS""; ""SUMMARY""; ""REFERENCES""; ""ADDITIONAL READING"" Sommario/riassunto This case study outlines the development of the Lightweight Fighter programme, including the development, technology and flight test history of the YF-16 and YF-17. The streamlined and highly successful Lightweight Fighter programme effectively used experimental prototypes to introduce a set of new and advanced technologies to fighter aircraft, and serves as an excellent example of technology management, risk reduction in the development process, and

acquisition philosophy.