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## Aging Avionics in Military Aircraft

By Committee on Aging Avionics in Military Aircraft, Air Force Science and Technology Board, Commission on Engineering and Technical Systems, Division on Engineering and Physical Sciences, National Research Council

National Academies Press. Paperback. Book Condition: new. BRAND NEW, Aging Avionics in Military Aircraft, Committee on Aging Avionics in Military Aircraft, Air Force Science and Technology Board, Commission on Engineering and Technical Systems, Division on Engineering and Physical Sciences, National Research Council, Extending the life of an airframe has proven challenging and costly. Extending the life of an avionics system, however, is one of the most critical and difficult aspects of extending total aircraft system lifetimes. Critical components go out of production or become obsolete, and many former suppliers of military-grade components have gone out of business. From 1986 to 1996, for example, the percentage of discontinued military/aerospace electronic devices nearly doubled- from 7.5 percent to 13.5 percent. In addition, legacy avionics systems, which were designed to meet requirements of the past, generally lack the full capability to perform new missions, meet new threats, or perform well in the new information-intensive battlefield environments. As the legacy aircraft fleet ages, avionics systems will become more and more difficult to support and maintain. Whereas the military once provided a large and profitable market for the electronics industry, the military electronics market today constitutes less than 1 percent of the commercial market. As...



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