

The design, development and testing of complex avionics systems

Type de contenu : Texte

Type de médiation : sans médiation

Type de support : Volume

Titre(s) : The design, development and testing of complex avionics systems / North Atlantic treaty organization, Advisory group for aerospace research and development (Organisation du traité de l'Atlantique nord)

Auteur(s) : Organisation du traité de l'Atlantique nord AGARD

Editeur, producteur : Neuilly sur Seine : AGARD, 1987

Description matérielle : 1 vol. (pagination multiple [434] p.) : ill. ; 30 cm

Collection : AGARD conference proceedings 417

ISBN : 92-835-0437-2

Appartient à la collection : AGARD conference proceedings 0549-7191 417

Note sur la responsabilité : "Papers presented at the Avionics Panel Symposium held in Las Vegas, US, on 27 April-1 May 1987."

Note sur les bibliographies et les index : Notes bibliogr.

Résumé ou extrait : This symposium was designed to explore how today's system designer is addressing the solutions to tomorrow's avionics systems design. As government budgets become more limited for the research, development, testing and production of military aircraft systems, and the Warsaw Pact nations continue to produce all types of aircraft in greater numbers, the NATO nations must "re-look" at how avionic systems are developed. In general, the avionics community has thought of avionic architecture as the integration of a collection, of "black boxes" (sensor, navigation, communication, display, etc.) with the software allowing for the communication between "black boxes," computers and man. Normally, the system is decomposed into manageable parts with accurately defined interfaces. With the advent of the VHSIC, distributed processing, artificial intelligence, sensor data fusion, etc., the technologies are blurring the clear functional allocation defined for the "black box." Two factors, technology and cost, provide both an opportunity and a challenge to the system designers to design future avionics systems whose performance degrades gracefully, is reliable, and is affordable

Sujet - Nom commun : Avionique -- Actes de congrès
Avions militaires -- Actes de congrès

Classification de la Bibliothèque du Congrès : TL500.N63 A24 no.417