

SPACE SYSTEMS SYMPOSIUM (D1)
Poster Session (P)

Author: Mr. Xudong Zhang

Beijing Institute of Aerospace Systems Engineering, China Aerospace Science and Technology Corporation
(CASC), China, helios326@gmail.com

Mr. Dongsheng Zheng
China, 22731488@QQ.COM

STUDY ON DESIGN PROCESS OF MISSILES ELECTRICAL SYSTEMS BASED ON CHS

Abstract

Traditional design process of cable and harness network has been proved to be not effective, and a large number of manual work could easily lead to massive quality issues. CHS (capital harness system) is a toolset which is specialized on aviation and aerospace electrical system design field. This article summarized the engineering practices based on CHS in aerospace industry, and we constructed a cutting-edge electrical system design framework, researched on the method of integrated electrical system design flow, which includes cable and harness design, electrical analysis, and manufacture process.