

56th IAA SYMPOSIUM ON SAFETY, QUALITY AND KNOWLEDGE MANAGEMENT IN SPACE
ACTIVITIES (D5)

For a successful space program : Quality and Safety! (1)

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PRODUCT ASSURANCE OF KSLV-II, NURI

Abstract

Korea Aerospace Research Institute (KARI) has been developed KSLV-II Nuri from 2010 to this year. Main purpose of the project is to launch 3 stage launcher Nuri twice, which can inject 1.5ton satellite into low earth orbit(LEO). The 2nd launch of Nuri in Jun. 2022 was clear success, although the 1st launch in Oct. 2021 was not successful because of some design error of the 3rd stage. From the beginning of the project, KARI had set up product assurance (PA) procedure including safety and quality issues. In this paper, the PA structure for Nuri and some activities were illustrated, which contributed the final success of the newly developed launcher.