

The application of DO-297 to a COTS based ARINC 653

Environment

Wind River

ARTIST2 meeting on Integrated Modular Avionics, November
12-13, 2007, Rome, historical center

ABSTRACT

DO-297 outlines guidance for building IMA systems based around standards such as DO-178B and ARINC 653. This presentation looks at technology developed by Wind River to meet the requirements of ARINC 653 for various aircraft programs ranging from military (C130AMP) through to commercial systems (Boeing 787) In particular it looks at the additional work Wind River has undertaken to implement the guidelines of DO-297 in order to provide Independent Build, Load and Test mechanisms for application development on an ARINC 653 IMA system and to progress configuration of ARINC 653 systems through Supplement 3 of the standard.