List of (and Links to) Pertinent Documents

DO-254 compliance involves not just DO-254, but a number of related documents. The DO-254 applicant should familiarize themselves with the list that follows:

- **DO-254:** *Design Assurance Guidance for Airborne Electronic Hardware*
  http://www.rtca.org/store_product.asp?prodid=752
- **ED-80:** *Design Assurance Guidance for Airborne Electronic hardware*
  https://www.eurocae.net/eshop/catalog/product_info.php?products_id=242
- **AC 20-152:** *Subject: RTCA, INC., DOCUMENT DESIGN ASSURANCE GUIDANCE FOR AIRBORNE ELECTRONIC HARDWARE*
  http://www.faa.gov/documentLibrary/media/Advisory_Circular/AC_20-152.pdf
- **AC 20-148:** *Subject: Reusable Software Components*
  http://www.faa.gov/documentLibrary/media/Advisory_Circular/AC20-148.pdf
- **AC 20-115C:** *Subject: Airborne Software Assurance*
  http://www.faa.gov/documentLibrary/media/Advisory_Circular/AC_20-115C.pdf
- **Order 8110.105:** *SUBJ: SIMPLE AND COMPLEX ELECTRONIC HARDWARE APPROVAL GUIDANCE*
  http://www.faa.gov/documentLibrary/media/Order/Order%208110.105%20chg%201%20incorp.pdf
- **Job Aid: Conducting Airborne Electronic Hardware Reviews**
  https://www.faa.gov/aircraft/air_cert/design_approvals/air_software/media/CEH-JobAidRev022808.pdf
- **Certification Memorandum EASA CM SWCEH-001 (revision 01):**
  http://easa.europa.eu/system/files/dfu/certification-memoranda-import-EASA%20CM-SWCEH-001%20Issue%2001%20Rev%2001%20Development%20Assurance%20of%20Airborne%20Electronic%20Hardware.pdf
- **CAST 27:** *Clarifications on the Use of RTCA Document DO-254 and EUROCAE Document ED-80, Design Assurance Guidance for Airborne Electronic Hardware*
  https://www.faa.gov/aircraft/air_cert/design_approvals/air_software/cast/cast_papers/media/cast-27.pdf
- **CAST 28:** *Frequently Asked Questions (FAQs) on the Use of RTCA Document DO-254 and EUROCAE Document ED-80, Design Assurance Guidance for Airborne Electronic Hardware*
  https://www.faa.gov/aircraft/air_cert/design_approvals/air_software/cast/cast_papers/media/cast-28.pdf
- **CAST 29:** *Use of COTS Graphical Processors (CGP) in Airborne Display Systems*
  https://www.faa.gov/aircraft/air_cert/design_approvals/air_software/cast/cast_papers/media/cast-29.pdf
- *CAST 30: Simple Electronic Hardware and RTCA Document DO-254 and EUROCAE Document ED-80, Design Assurance Guidance for Airborne Electronic Hardware*

- **CAST 31:** *Technical Clarifications Identified for RTCA DO-254 / EUROCAE ED-80*
  https://www.faa.gov/aircraft/air_cert/design_approvals/air_software/cast/cast_papers/media/cast-31.pdf
- **CAST 32:** *Multi-core Processors*
  https://www.faa.gov/aircraft/air_cert/design_approvals/air_software/cast/cast_papers/media/cast-32.pdf
- **CAST 33:** *Compliance to RTCA DO-254/ EUROCAE ED-80, "Design Assurance Guidance for Airborne Electronic Hardware", for COTS Intellectual Properties Used in Programmable Logic Devices*
  https://www.faa.gov/aircraft/air_cert/design_approvals/air_software/cast/cast_papers/media/cast-33.pdf
- **DO-178C:** *Software Considerations in Airborne Systems and Equipment Certification*
  http://www.rtca.org/store_product.asp?prodid=803
- **DO-248C:** *Supporting Information for DO-178C and DO-278A*
  http://www.rtca.org/store_product.asp?prodid=769
- **DO-278A:** *Software Integrity Assurance Considerations for Communication, Navigation, Surveillance and Air Traffic Management (CNS/ATM) Systems*
  http://www.rtca.org/store_product.asp?prodid=676
- **DO-297:** *Integrated Modular Avionics (IMA) Development Guidance and Certification Considerations*
  http://www.rtca.org/store_product.asp?prodid=617
- **DO-330:** *Software Tool Qualification Considerations*
  http://www.rtca.org/store_product.asp?prodid=792
- **DO-331:** *Model-Based Development and Verification Supplement to DO-178C and DO-278A*
  http://www.rtca.org/store_product.asp?prodid=815
- **DO-332:** *Object-Oriented Technology and Related Techniques Supplement to DO-178C and DO-278A*
  http://www.rtca.org/store_product.asp?prodid=837
- **DO-333:** *Formal Methods Supplement to DO-178C and DO-278A*
  http://www.rtca.org/store_product.asp?prodid=859
- **DO-160G:** *Environmental Conditions and Test Procedures for Airborne Equipment*
  http://www.rtca.org/store_product.asp?prodid=770
- **ARP 4754A:** *Guidelines for Development of Civil Aircraft and Systems*
  http://standards.sae.org/arp4754a/
- **ARP 4761:** *Guidelines and Methods for Conducting the Safety Assessment Process on Civil Airborne Systems and Equipment*
  http://standards.sae.org/arp4761/