

APPENDIX A – RECOMMENDED RESOURCES

This appendix summarizes resources identified earlier in this document, as well as several other related resources that course developers may find helpful. Note: There are many other references that course and module developers may find useful. It is recommended that course developers conduct searches for new and current information. The links provided below were functioning at the time of publishing. Organizations will revise their websites and some links may not work. If non-working links are encountered, perform an internet search on the topic or title. In addition, AIA provides links to these resources that you can access by going to this AIA web address: <https://www.aia-aerospace.org/standards/airworthiness/>.

TABLE A.1 – FAA RESOURCES

1	FAA Homepage	FAA Website / Web page – https://www.faa.gov
2	FAA DRS	FAA Dynamic Regulatory System Web page – https://drs.faa.gov/
3	FAA RGL	FAA Regulatory Guidance Library – https://RGL.faa.gov
4	14 CFR Part 11	General Rulemaking Procedures
5	14 CFR Part 21	Certification Procedures for Products and Articles
6	14 CFR Part 23	Airworthiness Standards: Normal, Utility, Acrobatic, and Commuter Category Airplanes
7	14 CFR Part 25	Airworthiness Standards: Transport Category Airplanes
8	14 CFR Part 26	Continued Airworthiness and Safety Improvements for Transport Category Airplanes
9	14 CFR Part 27	Airworthiness Standards: Normal Category Rotorcraft
10	14 CFR Part 29	Airworthiness Standards: Transport Category Rotorcraft
11	14 CFR Part 31	Airworthiness Standards: Manned Free Balloons
12	14 CFR Part 33	Airworthiness Standards: Aircraft Engines
13	14 CFR Part 34	Exhaust Emissions
14	14 CFR Part 35	Propellers
15	14 CFR Part 36	Noise Standards: Aircraft Type and Airworthiness Certification
16	14 CFR Part 39	Airworthiness Directives
17	14 CFR Part 43	Maintenance, Preventive Maintenance, Rebuilding, and Alteration
18	14 CFR Part 45	Identification and Registration Marking
19	14 CFR Part 91	General Operating and Flight Rules
20	14 CFR Part 121	Operating Requirements: Domestic, Flag and Supplemental Operations
21	14 CFR Part 125	Certification and Operations: Airplanes Having a Seating Capacity of 20 or More Passengers or a Maximum Payload Capacity of 6,000 Pounds or More ; and Rules Governing Persons on Board Such Aircraft
22	14 CFR Part 133	Rotorcraft External Load Operations
23	14 CFR Part 135	Operating Requirements: Commuter and On-Demand Operations and Rules Governing Persons on Board Such Aircraft
24	14 CFR Part 145	Repair Stations
25	14 CFR Part 183	Representatives of the Administrator
26	FAA AC 00-68	Aircraft Certification Service Voluntary Disclosure Reporting Program
27	FAA AC 20-41	Substitute Technical Standard Order (TSO) Aircraft Equipment
28	FAA AC 20-62	Eligibility, Quality and Identification of Aeronautical Replacement Parts
29	FAA AC 20-169	Guidance for Certification of Military and Special Mission Modifications and Equipment for Commercial Derivative Aircraft (CDA)
30	FAA AC 20-174	Development of Civil Aircraft and Systems
31	FAA AC 20-179	Certification Data Retention Agreements and Government Records
32	FAA AC 21-23	Airworthiness Certification of Civil Aircraft, Engines, Propellers, and Related Products Imported to the United States

33	FAA AC 21-24	Bilateral Agreement Production Certificates
34	FAA AC 21-29	Detecting and Reporting Suspected Unapproved Parts
35	FAA AC 21-40	Guide for Obtaining a Supplemental Type Certificate
36	FAA AC 21-43	Production Under Title 14, Code of Federal Regulations, Part 21, subparts F, G, K, and O
37	FAA AC 21-45	Commercial Parts
38	FAA AC 21-46	Technical Standard Order Program
39	FAA AC 21-48	Using Electronic Modeling Systems as Primary Type Design Data
40	FAA AC 21-50	Installation of TSOA Articles and LODA Appliances
41	FAA AC 21-51	Applicant's Showing of Compliance and Certifying Statement of Compliance
42	FAA AC 21.101	Establishing the Certification Basis of Changed Aeronautical Products
43	FAA AC 23-8	Flight Test Guide for Certification of Part 23 Airplanes
44	FAA AC 23.2010-1	FAA Accepted Means of Compliance Process for 14 CFR Part 23
45	FAA AC 25-7	Flight Test Guide for Certification of Transport Category Airplanes
46	FAA AC 25.939-1	Evaluating Turbine Engine Operating Characteristics
47	FAA AC 33.4-1	Instructions for Continued Airworthiness
48	FAA AC 36-1	Noise Levels for US Certificated and Foreign Aircraft
49	FAA AC 36-3	Estimated Airplane Noise Levels in A-Weighted Decibels
50	FAA AC 39-8	Continued Airworthiness Assessments of Powerplant and Auxiliary Power Unit Installations of Transport Category Airplanes
51	FAA AC 43.13-1	Acceptable Methods, Techniques, and Practices - Aircraft Inspection and Repair, ICAO Annex 8, Airworthiness of Aircraft
52	FAA AC 43-213	Parts Marking Identification
53	FAA Order 1240.14	Establishing Agreements with Bilateral Partners
54	FAA Order 1350.14	Records Management
55	FAA Order 4040.26	Aircraft Certification Service Flight Test Risk Management Program
56	FAA Order 8000.79	Use of Electronic Technology and Storage of Data
57	FAA Order 8040.1	Airworthiness Directives
58	FAA Order 8040.4	Safety Risk Management Policy
59	FAA Order 8100.5	Aircraft Certification Service (AIR) – Organizational Structure and Functions
60	FAA Order 8100.8	Designee Management Handbook
61	FAA Order 8100.15	Organization Designation Authorization Procedures
62	FAA Order 8110.4	Type Certification
63	FAA Order 8110.37	Designated Engineering Representative (DER) Handbook
64	FAA Order 8110.42	Parts Manufacturer Approval Procedures
65	FAA Order 8110.48	How to Establish the Certification Basis for Changed Aeronautical Products
66	FAA Order 8110.51	Acceptability of Previously Approved Certification Compliance Data from Foreign Sources
67	FAA Order 8110.52	Type Validation and Post-type Validation Procedures
68	FAA Order 8110.53	Reciprocal Acceptance of Repair Design Data Approvals Between the FAA and TCCA
69	FAA Order 8110.54	Instructions for Continued Airworthiness Responsibilities, Requirements and Contents
70	FAA Order 8110.101	Type Certification Procedures for Military Commercial Derivative Aircraft
71	FAA Order 8110.107	Monitor Safety / Analyze Data
72	FAA Order 8110.112	Standardized Procedures for Usage of Issue Papers and Development of Equivalent Levels of Safety Memorandums
73	FAA Order 8120.12	Production Approval Holder Use of Other-Parties to Supplement Their Supplier Control Program
74	FAA Order 8120.13	International Cooperative Supplier Surveillance Program Procedures
75	FAA Order 8120.16	Suspected Unapproved Parts Program
76	FAA Order 8120.22	Production Approval Procedures
77	FAA Order 8120.23	Certificate Management of Production Approval Holders

78	FAA Order 8130.2	Airworthiness Certification of Aircraft
79	FAA Order 8130.21	Procedures for Completion and Use of the Authorized Release Certificate
80	FAA Order 8150.1	Technical Standard Order Program
81	FAA Order 8900.1	Flight Standards Information Management System
	FAA Websites:	
82	Accountability Framework	http://faa.gov/about/office_org/headquarters_offices/avs/offices/air/transformation/csp/elements/element_1/
83	Bilateral Agreements	https://www.faa.gov/aircraft/air_cert/international/bilateral_agreements/
84	Certification Authorities for Transport Airplanes (CATA)	https://www.faa.gov/aircraft/air_cert/design_approvals/transport/transport_intl/cata/
85	Certificate Management Quality System Audits	Certificate Management / Quality System Audit (QSA) of Production Approval Holders https://www.faa.gov/aircraft/air_cert/continued_operation/QSA/
86	Certification Management Team (CMT) Collaborative Strategy	https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&ved=2ahUKEwjxP_X8dvwAhW5CTQIHXTIAAwMQFjAAegQIAxAD&url=https%3A%2F%2Fwww.faa.gov%2Fabout%2Foffice_org%2Fheadquarters_offices%2Favs%2Foffices%2Fair%2Ftransformation%2Fcertification_strategy%2Fmedia%2Fcmt_strategy.pdf&usq=AOvVaw0ichrlnApGDMYgn06R0Khj
87	Certification Process Improvement Guide (CPI Guide)	https://www.faa.gov/aircraft/air_cert/design_approvals/media/CPI_guide.pdf (also referred to as: The FAA and Industry Guide to Product Certification)
88	Compliance Assurance – Transformation Initiative	https://www.faa.gov/about/office_org/headquarters_offices/avs/offices/air/transformation/csp/initiatives/initiative_1/
89	Design Approvals	https://www.faa.gov/aircraft/air_cert/design_approvals/
90	Design Approval Holder Obligations	https://www.faa.gov/aircraft/air_cert/continued_operation/design_approval_holder/tc_holder/
91	DRS – Dynamic Regulatory System	https://drs.faa.gov/browse
92	FAA Aircraft Certification	https://www.faa.gov/about/office_org/headquarters_offices/avs/offices/air/
93	FAA Delegated Organizations	https://www.faa.gov/other_visit/aviation_industry/designees_delegations/delegated_organizations/
94	FAA Designees	https://www.faa.gov/other_visit/aviation_industry/designees_delegations/
95	FAA-DoD Agreement for Support of Military Commercial Derivative Aircraft	https://daytonaero.com/wp-content/uploads/Baseline-FRA-FY18-22.pdf
96	FAA International Certification	https://www.faa.gov/aircraft/air_cert/international/
97	FAA Lessons Learned from Civil Aviation Accidents	https://lessonslearned.faa.gov/
98	FAA Organization / Offices	https://www.faa.gov/about/office_org/
99	FAA Regulatory Guidance Library	https://rql.faa.gov/
100	FAA System Safety Handbook	https://www.faa.gov/regulations_policies/handbooks_manuals/aviation/risk_management/ss_handbook/
101	FAA Transformation Initiatives	https://www.faa.gov/about/office_org/headquarters_offices/avs/offices/air/transformation/csp/initiatives/

102	Introduction to Safety Risk Management	https://www.faa.gov/news/safety_briefing/2019/media/SE_Topic_19-01.pdf
103	Means of Compliance Advisory Circulars for Aircraft (20-18 thru 45-3)	https://www.faa.gov/regulations_policies/advisory_circulars/
104	Small Airplanes Regulations, Policies & Guidance	https://www.faa.gov/aircraft/air_cert/design_approvals/small_airplanes/small_airplanes_regs/
105	Part 23 Accepted Means of Compliance Based on ASTM Consensus Standards (faa.gov)	https://www.faa.gov/aircraft/air_cert/design_approvals/small_airplanes/small_airplanes_regs/media/part_23_moc.pdf
106	Production Certificates	https://www.faa.gov/aircraft/air_cert/production_approvals/prod_cert/
107	The FAA and Industry Guide to Product Certification	https://www.faa.gov/aircraft/air_cert/design_approvals/media/CPI_guide.pdf (also referred to as: Certification Process Improvement Guide)
108	Federal Register Website: Accepted Means of Compliance, Normal Category Airplanes	https://www.federalregister.gov/documents/2020/09/22/2020-17911/accepted-means-of-compliance-airworthiness-standards-normal-category-airplanes
109	Referenced FAA Forms – See: www.FAA.gov	FAA Form 8120-10, Request for Conformity FAA Form 8100-1, Conformity Inspection Record FAA Form 8130-31, Statement of Conformity – Military Aircraft FAA Form 8130-9, Statement of Conformity
110	Small Airplanes Issue List	https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&ved=2ahUKEw_i_ru39gqnxAhUH054KHZJFAjQQFjABegQIAxAF&url=https%3A%2F%2Fwww.faa.gov%2Faircraft%2Fair_cert%2Fdesign_approvals%2Fsmall_airplanes%2Fsmall_airplanes_regs%2Fmedia%2FSAIL_FY19_Q2.pdf&usq=AOvVaw2qfFAM3SbmexvVJGqB6bz9
111	Transport Airplanes Issue List	https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&cad=rja&uact=8&ved=2ahUKEwi23vfSq6nxAhUQ2J4KHVS5Ci8QFjAAegQIAxAF&url=https%3A%2F%2Fwww.faa.gov%2Faircraft%2Fair_cert%2Fdesign_approvals%2Ftransport%2Fmedia%2Frpptailistforpublicweb.pdf&usq=AOvVaw0Tho0MQQlwXaPNaYv0YTAF
112	Rotorcraft Directorate Significant Project List	https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&cad=rja&uact=8&ved=2ahUKEwi4uLWerKnxAhXU-Z4KHaPdC6YQFjAAegQIAxAF&url=https%3A%2F%2Fwww.faa.gov%2Faircraft%2Fair_cert%2Fdesign_approvals%2Frotorcraft%2Fmedia%2Frd_spl.pdf&usq=AOvVaw1ISLqLJX_2u06IF5CjPz22
113	Engine and Propeller Issue List	https://www.faa.gov/aircraft/air_cert/design_approvals/engine_prop/issues_list/

TABLE A.2 – EASA RESOURCES

201	EASA Website	Web page for EASA - European Union Aviation Safety Agency
202	FAA – EASA Bilateral Agreement	FAA web page for Bilateral Agreements. https://www.faa.gov/aircraft/air_cert/international/bilateral_agreements/baa_basa_listing/ Select European Union from Dropdown.

203	Part 21	Rules for Airworthiness and Environmental Certification
204	Part-M	Rules for Continuing Airworthiness
205	CS-23	Rules for Normal-Category Aeroplanes
206	CS-25	Rules for Large Aeroplanes
207	CS-26	Additional Airworthiness Specifications for Operations
208	CS-27	Rules for Small Rotorcraft
209	CS-29	Rules for Large Rotorcraft
210	CS-34	Rules for Aircraft Engine Emissions and Fuel Venting
211	CS-36	Rules for Aircraft Noise
212	CS-APU	Rules for Auxiliary Power Units
213	CS-AWO	Rules for All Weather Operations
214	CS-CCD	Rules for Cabin Crew Data
215	CS-CO2	Acceptable Means of Compliance and Guidance Material for Aeroplane CO2 Emissions
216	CS-E	Rules for Engines
217	CS-FCD	Rules for Operational Suitability Data (OSD) Flight Crew Data
218	CS-LSA	Rules for Light Sport Aeroplanes
219	CS-P	Certification Specifications and Acceptable Means of Compliance for Propellers
220	CS-MMEL	Rules for Master Minimum Equipment List
221	CS-SIMD	Rules for Simulator Data
222	CS-STAN	Standard Changes and Standard Repairs
223	CS-VLA	Rules for Very Light Aeroplanes
224	CS-VLR	Rules for Very Light Rotorcraft
225	AMC-20	General AMC for Airworthiness of Products, Parts and Appliances
226	ANAC-EASA-FAA-TCCA CMT Strategy	ANAC-EASA-FAA-TCCA Certification Management Team Collaboration Strategy

TABLE A.3 – TCCA / CANADIAN RELATED RESOURCES

301	TCCA Website	Web page for TCCA – Transport Canada Civil Aviation
302	FAA – Canada Bilateral Agreement	FAA web page for Bilateral Agreements. https://www.faa.gov/aircraft/air_cert/international/bilateral_agreements/baa_basa_listing/ Select Canada from Dropdown.
303	Canadian Aeronautics Act	Canadian Aeronautics Act
304	CAR 107	Subpart 7 – Safety Management System Requirements
305	CAR 200	CAR Part II – Aircraft Identification and Registration and Operation of a Leased Aircraft by a Non-Registered Owner
306	CAR 521	Subpart 21 – Approval of the Type Design or a Change to the Type Design of an Aeronautical Product
307	CAR 571	Subpart 71 – Aircraft Maintenance Requirements
308	CAR 573	Subpart 73 – Approved Maintenance Organizations
309	STD 222	Aircraft Marking and Registration
310	AWM 505	Delegation of Authority
311	AWM 516	Aircraft Emissions
312	AWM 523	Normal, Utility, Aerobatic and Commuter Category Aeroplanes
313	AWM 523-VLA	VLA - Very Light Aeroplanes

314	AWM 525	Transport Category Aeroplanes
315	AWM 527	Normal Category Rotorcraft
316	AWM 529	Transport Category Rotorcraft
317	AWM 533	Aircraft Engines
318	AWM 537	Appliances and Parts
319	AWM 551	Aircraft Equipment and Installation
320	AWM 571	Maintenance
321	AWM 573	Approved Maintenance Organizations
322	TCCA TP 14371 (TC AIM)	Transport Canada Aeronautical Information Manual
323	TCCA SI 500-003	Aircraft Certification Level of Involvement (LOI)
324	TCCA SI 500-004	Development, Approval and Publication of Special Conditions – Airworthiness
325	TCCA SI 500-019	Issue Papers, Concern Papers and Certification Memoranda
326	TCCA AC 505-001	Design Approval Representative (DAR)
327	TCCA AC 505-002	Airworthiness Control System for a Delegated Organisation (Aircraft Certification)
328	TCCA AC 505-003	Safety Management Systems for Design Organizations
329	TCCA AC 521-001	Division I—General- Table of Concordance
330	TCCA AC 521-002	Type Certification Requirements of Aircraft, Engines and Propellers
331	TCCA AC 521-004	Changes to the Type Design of an Aeronautical Product
332	TCCA AC 521-005	Supplemental Type Certificates
333	TCCA AC 521-006	Repair Design Approvals
334	TCCA AC 521-007	Part Design Approvals
335	TCCA AC 521-009	Division IX – Service Difficulty Reporting
336	TCCA AC 571-002	Maintenance Implementation Procedures – Bilateral Aviation Safety Agreement Between Canada and United States
337	TCCA AC 571-005	Major Repair After Substantial Damage
338	TCCA SIs	Staff Instructions
339	TCCA SI 521-002	Type Certification of Aeronautical Products
340	TCCA SI 521-004	Changes to the Type Design of an Aeronautical Product
341	TCCA MPLs	Maintenance and Manufacturing Policy Letters
342	TCCA ASIs & MSIs	Airworthiness Staff Instructions and Maintenance and Manufacturing Staff Instructions
343	TCCA AMAs	Airworthiness Manual Advisories
344	TCCA Airworthiness Notice B017	The Clean Aircraft Concept
345	TCCA SI 500-003	Aircraft Certification Level of Involvement (LOI)
346	TCCA SI 505-002	Basic Standards for Training Delivered by Delegates
347	ANAC-EASA-FAA-TCCA CMT Strategy	ANAC-EASA-FAA-TCCA Certification Management Team Collaboration Strategy

TABLE A.4 – ANAC RESOURCES

401	ANAC Website	Agencia Nacional de Aviacao Civil (National Civil Aviation Agency)
402	FAA – Brazil Bilateral Agreement	FAA web page for Bilateral Agreements. https://www.faa.gov/aircraft/air_cert/international/bilateral_agreements/baa_basa_listing/ Select Brazil from Dropdown.
403	ANAC-EASA-FAA-TCCA CMT Strategy	ANAC-EASA-FAA-TCCA Certification Management Team Collaboration Strategy
404	ANAC Procedures Handbooks	The Certification Procedures Handbooks (MPH) were issued until the year of 2008. From 2009 they are now denominated only as Procedures Handbooks (MPR).

405	ANAC TCDS	List of certified products in Brazil. Also has a link for exempt products not certified in Brazil however, are authorized to operate in Brazil.
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TABLE A.5 – JCAB RESOURCES

501	JCAB Website	Web page for Japan Civil Aviation Bureau (JCAB)
502	FAA – JCAB Bilateral Agreement	FAA web page for bilateral agreements. https://www.faa.gov/aircraft/air_cert/international/bilateral_agreements/baa_basa_listing/ Select Japan from Dropdown.

TABLE A.6 – US MILITARY / DEFENSE RESOURCES

601	AFPD 62-6	USAF Airworthiness
602	AFI 62-601	USAF Airworthiness
603	AMACC	Army Military Airworthiness Certification Criteria
604	ANAC-EASA-FAA-TCCA CMT Strategy	ANAC-EASA-FAA-TCCA Certification Management Team Collaboration Strategy
605	AR 70-62	Army Regulation: Airworthiness of Aircraft Systems
606	DoDD 5030.61	DoD Directive: DOD Airworthiness Policy
607	MIL-HDBK-516	Department of Defense Handbook: Airworthiness Certification Criteria
608	MIL-STD-810	Environmental Engineering Considerations and Laboratory Tests
609	FAA-DoD Agreement for Support of Military Commercial Derivative Aircraft	https://daytonaero.com/wp-content/uploads/Baseline-FRA-FY18-22.pdf

TABLE A.7 – OTHER / GENERAL INDUSTRY RESOURCES

701	AS9100	Quality Management Systems – Requirements for Aviation, Space, and Defense Organizations
702	ASTM Standard F3264-19	Standard Specification for Normal Category Aeroplanes Certification
703	ICAO Annexes 1 to 18	International Civil Aviation Organization Annexes 1 to 18 Booklet
704	ICAO Annex 8	Airworthiness of Aircraft (Link is to ICAO Store)
705	ICAO Annex 19	Safety Management
706	ICAO Doc 9859	Safety Management Manual (SMM)
707	MMPDS	Metallic Materials Properties Development and Standardization
708	Nadcap	National Aerospace and Defense Contractors Accreditation Program
709	NAS9945	<i>Airworthiness Engineering Training and Education</i>
710	NAS9945-1	<i>Airworthiness Engineering Academic Curricula</i>
711	NAS9945-2	<i>Airworthiness Engineering Training and Education - Civil Aviation</i>
712	NAS9945-3	<i>Airworthiness Engineering Training and Education – Defense and Military</i>
713	NAS9945-4	<i>Airworthiness Engineering Training and Education – Emerging Technologies</i>
714	NAVAIRINST 13034.1	(AIR-4.0P) Flight Clearance Policy for Air Vehicles and Aircraft Systems
715	RTCA DO-160	Environmental Conditions and Test Procedures for Airborne Electronic/Electrical Equipment and Instruments

Excerpt based on AIA NAS9945-2, *Airworthiness Engineering Education and Training – Civil Aviation*, Revision NEW
Information current as of 14 February 2022

716	RTCA DO-178	Software Considerations in Airborne Systems and Equipment Certification.
717	RTCA DO-254	Design Assurance Guidance for Airborne Electronic Hardware
718	RTCA DO-313	Certification Guidance for Installation of Non-Essential, Non-Required Aircraft Cabin Systems & Equipment (CS&E)
719	SAE ARP 4754	Guidelines for Development of Civil Aircraft and Systems
720	SAE ARP 4761	Guidelines and Methods for Conducting the Safety Assessment Process on Civil Airborne Systems and Equipment
721	SM-001	International Industry Standard – Implementing SMS in Design, Manufacturing and Maintenance Organizations