

JCAB Special Emphasis Items
(Revision 1: As of March 30, 2020)

1. General

These lists are required by the BASA Implementation Procedure for Airworthiness (IPA) between the FAA and JCAB, revision 1 dated Nov.1, 2019, and support the implementation of the IPA for products to be validated by JCAB for Airworthiness and Environmental Certification. These lists will be further updated to take into account the feedback of both certification and validation projects, technological developments and in-service experience, and to correct any errors.

The special emphasis items included in the list below are the typical JCAB examination items, and JCAB may request additional technical explanation and/or the test procedures/results for them.

JCAB may request additional technical explanation and/or the test procedures/results for the other items that are categorized in the following conditions.

- 1) the compliance findings are subjective
- 2) the past experience of JCAB validation is limited due to the standards or the interpretation of the standards being relatively new
- 3) items based on the experience from other products which has shown unsafe condition
- 4) systems or functions which contain complex and/or unique features

JCAB Special Emphasis Items
(Revision 1: As of March 30, 2020)

2. Special Emphasis Items (SEI) List

A) For Small Airplanes (Normal, Utility, Acrobatic)

Subject	Description	Ref. Standards, etc.	
		Up to Amdt. 23-63	Amdt. 23-64 and on
Subpart A: General (§23.1, - §23. 3, §23.2000, - §23. 2010)			
Subpart B: Flight (§23.21 - §23.255, §23.2100 - §23.2165)			
Flight Characteristics and Handling Quality	<p>Applicable to flight controls changes which may significant impact in flight characteristics, controllability and maneuverability, trim characteristics, vibration and buffeting characteristics, including control laws changes for fly-by-wire airplanes.</p> <p>JCAB may request additional technical explanation, such as detail design explanation, Ground and Flight Test Plans/Results and/or other technical data/documents etc.</p> <p>JCAB may request to conduct actual aircraft inspection and/or familiarization flight.</p>	14 CFR Part 23, Subpart-B, D	
Human Factor	<p>Applicable to Human Factor related changes, such as upgrade to Highly Integrated Glass Cockpit, control laws changes for fly-by-wire aircrafts, or change of non-normal checklists etc.</p> <p>JCAB may request additional technical explanation, such as detail design explanation, Ground and Flight Test Plans/Results and/or other technical data/documents etc.</p> <p>JCAB may request to conduct actual aircraft inspection and/or familiarization flight.</p>	14 CFR Part 23, Subpart-B, D, F	

JCAB Special Emphasis Items
(Revision 1: As of March 30, 2020)

Subpart C: Structure (§23.301 - §23.575, §23.2200 - §23.2270)			
Fatigue and Damage Tolerance for Composite Structure	Applicable to the projects for which the compliance determination of Fatigue and Damage Tolerance for Composite Structure is required. JCAB may request additional technical explanation, such as detail design explanation, Ground Test Plans/Results and/or other technical data/documents etc.	§23.571, §23.572, §23.573, §23.574	§23.2240, §23.2260, §23.2500,
Subpart D: Design and Construction (§23.601 - §23.871, §23.2300 - §23.2335)			
Fire Extinguisher (Halon Replacement)	Applicable to the projects in which the Halon replacement fire extinguishers are used. JCAB may request additional technical explanation to evaluate the use of non-Halon fire extinguishing/suppression agents.	§23.851	§23.2325
Subpart E: Powerplant (§23.901 - §23.1203, §23.2400 - §23.2440)			
Uncontained Turbine Engine Rotor Failure	Applicable to the projects for which the compliance determination for §23.903(b)(1) or §23.2400(d) is required. JCAB may request additional technical explanation, such as detail design explanation, Ground Test Plans/Results and/or other technical data/documents etc.	§23.903(b)(1)	§23.2400(d)
Induction System Icing Condition	Applicable to the projects for which the compliance determination for §23.1093 or §23.2415 is required. JCAB may request additional technical explanation, such as detail design explanation, Ground and Flight Test Plans/Results and/or other technical data/documents etc.	§23.1093	§23.2415

JCAB Special Emphasis Items
(Revision 1: As of March 30, 2020)

Subpart F: Equipment (§23.1301 - §23.1461, §23.2500 - §23.2550)			
Integrated Modular Avionics (IMA)	<p>Applicable to the projects in which the Integrated Modular Avionics (IMA) is used.</p> <p>JCAB may request additional technical explanation, such as detail design explanation, Ground Test Plans/Results and/or other technical data/documents etc., to validate how the common cause failure condition is eliminated/minimized and how compliance is demonstrated.</p>	§23.1301, §23.1309	§23.2250, §23.2500, §23.2505, §23.2510
Lightning Protection	<p>Applicable to the projects for which the compliance determination for §23.1306, or §23.2335 and/or §23.2515 are required.</p> <p>JCAB may request additional technical explanation, such as detail design explanation, Ground Test Plans/Results and/or other technical data/documents etc.</p>	§23.1306	§23.2335, §23.2515
HIRF	<p>Applicable to the projects for which the compliance determination for §23.1308, or §23.2520 is required.</p> <p>JCAB may request additional technical explanation, such as detail design explanation, Ground Test Plans/Results and/or other technical data/documents etc., to validate how compliance is demonstrated.</p>	§23.1308	§23.2520
Lithium Batteries	<p>For use of Lithium Batteries, JCAB may request additional technical explanation, such as detail design explanation, Ground Test Plans/Results and/or other technical data/documents etc., to validate how compliance is demonstrated.</p>	§23.1353	§23.2525

JCAB Special Emphasis Items
(Revision 1: As of March 30, 2020)

Flight in Icing Condition	Applicable to the projects for which the compliance determination to the new icing condition requirements including supercooled large drops, ice crystal and mixed phase icing is required. JCAB may request additional technical explanation, such as detail design explanation, Ground and Flight Test Plans/Results and/or other technical data/documents etc.	§23.1419, Appendix C to Part 25	§23.2165, §23.2540, Appendix C to Part 25
Flight Data Recorder	Applicable to the projects in which the operational and recording requirements of the Flight Data Recorder are affected. JCAB may request additional technical explanation to confirm if the Japanese operational and recording requirements in CAR Article 149 and 149-3 are satisfied.	§23.1459 Civil Aeronautics Regulation (CAR) Article 149, 149-3	
Subpart G: Operating Limitations and Information (§23.1501 - §23.1589, §23.1529, §23.2600 - §23.2620)			
Instruction for Continued Airworthiness (ICA)	Applicants must prepare complete ICA when the Type Certification is issued by JCAB.	§23.1529	
Operating Limitations	Applicable to projects that introduce changes to the AFM Operating Limitations. JCAB evaluate any changes in Operating Limitations in Airplane Flight Manual.	§23.1583	§23.2620
Design Related Operational Requirements	Applicable to projects in which design related operational requirements such as RVSM, ETOPS, RNP AR Approval etc. are certified. JCAB may request that data and information related to design related operational requirements such as RVSM, ETOPS, RNP AR Approval etc., during validation process.	14 CFR Part 23, Subpart-G	

JCAB Special Emphasis Items
(Revision 1: As of March 30, 2020)

Others		
Airborne Cyber Security	For Security Assurance Activities to isolate or protect the Aircraft Systems and Network from Internal and External Threats, JCAB may request additional technical explanation to validate, such as network assets explanation, Security risk assessment that takes into consideration threats such as unauthorized access, Security verification summary and Aircraft network security guidance, detail design explanation, Ground Test Plans/Results and/or other technical data/documents etc.	None
PED Tolerant	JCAB requests to provide operating capability statement for PED Tolerant, such as Service Bulletin or Service Information Letter, etc., with regard to §91.21 and §121.306, if exists.	§91.21, §121.306

JCAB Special Emphasis Items
(Revision 1: As of March 30, 2020)

B) For Transport Airplanes

Subject	Description	Ref. Standards, etc.
Subpart A: General (§25.1 - §25.5)		
Subpart B: Flight (§25.21 - §25.255)		
Flight Characteristics and Handling Quality	<p>Applicable to flight controls changes which may significant impact in flight characteristics, controllability and maneuverability, trim characteristics, vibration and buffeting characteristics, including control laws changes for fly-by-wire airplanes.</p> <p>JCAB may request additional technical explanation, such as detail design explanation, Ground and Flight Test Plans/Results and/or other technical data/documents etc.</p> <p>JCAB may request to conduct actual aircraft inspection and/or familiarization flight.</p>	14 CFR Part 25, Subpart-B, D
Human Factor	<p>Applicable to Human Factor related changes, such as upgrade to Highly Integrated Glass Cockpit, control laws changes for fly-by-wire aircrafts, or change of non-normal checklists etc.</p> <p>JCAB may request additional technical explanation, such as detail design explanation, Ground and Flight Test Plans/Results and/or other technical data/documents etc.</p> <p>JCAB may request to conduct actual aircraft inspection and/or familiarization flight.</p>	14 CFR Part 25, Subpart-B, D, F

JCAB Special Emphasis Items
(Revision 1: As of March 30, 2020)

Subpart C: Structure (§25.301 – §25.581)		
Certification of Structural Elements in Flight Control Systems	<p>Applicable to the projects for which the compliance determination of Structural Elements in Flight Control Systems is required.</p> <p>JCAB may request additional technical explanation, such as detail design explanation, Ground Test Plans/Results and/or other technical data/documents etc., to validate how compliance was demonstrated.</p>	§25.571, §25.671, §25.1309
Fatigue and Damage Tolerance for Composite Structure	<p>Applicable to the projects for which the compliance determination of Fatigue and Damage Tolerance for Composite Structure is required.</p> <p>JCAB may request additional technical explanation, such as detail design explanation, Ground Test Plans/Results and/or other technical data/documents etc., to validate how compliance was demonstrated.</p>	§25.571, §25.1529.
Subpart D: Design and Construction (§25.601 – §25.899)		
Placards or Signs	<p>Applicable to the projects in which the symbolic placards are used.</p> <p>Use of Symbolic Placards or Signs may be evaluated by JCAB.</p>	§25.791, §25.1541, §25.1561
Flight Deck Door Locking System	<p>Applicable to projects with new or modified Flight Deck Door Locking System.</p> <p>JCAB may request additional technical explanation, such as detail design explanation, Ground Test Plans/Results and/or other technical data/documents etc., to validate how compliance is demonstrated.</p>	§25.795, §25.1353, §25.1431.
Fire Extinguisher (Halon Replacement)	<p>Applicable to the projects in which the Halon replacement fire extinguishers are used.</p> <p>JCAB may request additional technical explanation to evaluate the use of non-Halon fire extinguishing/suppression agents.</p>	§25.851

JCAB Special Emphasis Items
(Revision 1: As of March 30, 2020)

Subpart E: Powerplant (25.901 – 25.1207)		
Uncontained Rotor Failure of Engine and APU	Applicable to the projects for which the compliance determination for §25.903(d) is required. JCAB may request additional technical explanation, such as detail design explanation, Ground Test Plans/Results and/or other technical data/documents etc., to validate how compliance was demonstrated.	§25.903(d)
Induction System Icing Condition	Applicable to the projects for which the compliance determination for §25.1093 is required. JCAB may request additional technical explanation, such as detail design explanation, Ground and Flight Test Plans/Results and/or other technical data/documents etc., to validate how compliance was demonstrated.	§25.1093
Subpart F: Equipment (§25.1301 – §25.1461)		
Integrated Modular Avionics (IMA)	Applicable to the projects in which the Integrated Modular Avionics (IMA) is used. JCAB may request additional technical explanation, such as detail design explanation, Ground Test Plans/Results and/or other technical data/documents etc, to validate how the common cause failure condition is eliminated/minimized and how compliance is demonstrated.	§25.1301, §25.1309
Lightning Protection	Applicable to the projects for which the compliance determination for §25.1316 is required. JCAB may request additional technical explanation, such as detail design explanation, Ground Test Plans/Results and/or other technical data/documents etc., to validate how compliance was demonstrated.	§25.1316

JCAB Special Emphasis Items
(Revision 1: As of March 30, 2020)

HIRF	Applicable to the projects for which the compliance determination for §25.1317 is required. JCAB may request additional technical explanation, such as detail design explanation, Ground Test Plans/Results and/or other technical data/documents etc., to validate how compliance was demonstrated.	§25.1317
Lithium Batteries	For use of Lithium Batteries, JCAB may request additional technical explanation, such as detail design explanation, Ground Test Plans/Results and/or other technical data/documents etc., to validate how compliance was demonstrated.	§25.1353, §25.601, §25.863, §25.869, §25.1301, §25.1309, §25.1529
Flight in Icing Condition	Applicable to the projects for which the compliance determination to the new icing condition requirements including supercooled large drops, ice crystal and mixed phase icing is required. JCAB may request additional technical explanation, such as detail design explanation, Ground and Flight Test Plans/Results and/or other technical data/documents etc.	§25.773, §25.1323, §25.1324, §25.1325, §25.1419, §25.1420, §25.1521, Appendix C, D, O
Flight Data Recorder	Applicable to the projects in which the operational and recording requirements of the Flight Data Recorder are affected. JCAB may request additional technical explanation to confirm if the Japanese operational and recording requirements, which are specified in CAR Article 149 and 149-3, are satisfied.	§25.1459 Civil Aeronautics Regulation (CAR) Article 149, 149-3
Subpart G: Operating Limitations and Information (§25.1501 – §25.1587)		
Instruction for Continued Airworthiness (ICA)	Applicants must prepare complete ICA when the Type Certification is issued by JCAB.	§25.1529
Operating Limitations	Applicable to projects that introduce changes to the AFM Operating Limitations. JCAB evaluates any changes in Operating Limitations in Airplane Flight Manual.	§25.1583

JCAB Special Emphasis Items
(Revision 1: As of March 30, 2020)

Design Related Operational Requirements	Applicable to projects in which design related operational requirements such as RVSM, ETOPS, RNP AR Approval etc. are certified. JCAB may request that data and information related to design related operational requirements such as RVSM, ETOPS, RNP AR Approval etc., during validation process.	14 CFR Part 25, Subpart-G, §25.1535
Subpart H: Electrical Wiring Interconnection Systems (EWIS) (§25.1701 – §25.1733)		
EWIS	Applicable to the projects for which the compliance determination for EWIS is required. JCAB may request additional technical explanation to validate, such as compliance summary of Wire Harness design review and installation inspection, EWIS Safety Report and compliance documents which defined mandatory replacement time of EWIS Components, detail design explanation, Ground Test Plans/Results and/or other technical data/documents etc.	§25.1360, Subpart H,
Subpart I: Special Federal Aviation Regulations (§25.1801)		
Software and Airborne Electronics Hardware		
Software	Applicable to the projects in which the new or modified software are used. DO-178B/C must be applied to general software development guidance. JCAB may request additional technical explanation.	DO-178
Airborne Electronics Hardware (AEH)	Applicable to the projects in which the Airborne Electronics Hardware (AEH) is used. DO-254 must be applied to general AEH Development guidance. JCAB may request additional technical explanation.	DO-254
Others		
Airborne Cyber Security	For Security Assurance Activities to isolate or protect the Aircraft Systems and Network from Internal and External Threats, JCAB may request additional technical explanation to validate, such as network assets explanation, Security risk	None

JCAB Special Emphasis Items
(Revision 1: As of March 30, 2020)

	assessment that takes into consideration threats such as unauthorized access, Security verification summary and Aircraft network security guidance, detail design explanation, Ground Test Plans/Results and/or other technical data/documents etc.	
--	---	--

JCAB Special Emphasis Items
(Revision 1: As of March 30, 2020)

PED Tolerant	JCAB requests to provide operating capability statement for PED Tolerant, such as Service Bulletin or Service Information Letter, etc., with regard to §91.21 and §121.306, if exists.	§91.21, §121.306
--------------	--	------------------

JCAB Special Emphasis Items
(Revision 1: As of March 30, 2020)

C) For Small Rotorcraft

	Description	Ref. Standards, etc.
Subpart A: General (§27.1, §27.2)		
Subpart B: Flight (§27.21 – §27.251)		
Flight Characteristic and Handling Quality	<p>Applicable to flight controls changes which may significant impact in flight characteristics, controllability and maneuverability, trim characteristics, vibration and buffeting characteristics, including control laws changes for fly-by-wire airplanes.</p> <p>JCAB may request additional technical explanation, such as detail design explanation, Ground and Flight Test Plans/Results and/or other technical data/documents etc.</p> <p>JCAB may request to conduct actual aircraft inspection and/or familiarization flight.</p>	14 CFR Part 27, Subpart B, D
Human Factor	<p>Applicable to Human Factor related changes, such as upgrade to Highly Integrated Glass Cockpit, control laws changes for fly-by-wire aircrafts, or change of non-normal checklists etc.</p> <p>JCAB may request additional technical explanation, such as detail design explanation, Ground and Flight Test Plans/Results and/or other technical data/documents etc.</p> <p>JCAB may request to conduct actual aircraft inspection and/or familiarization flight.</p>	14 CFR Part 27, Subpart-B, D, F
Subpart C: Strength Requirements (§27.301 – §27.573)		
Fatigue and Damage Tolerance for Composite Structure	<p>Applicable to the projects for which the compliance determination of Fatigue and Damage Tolerance for Composite Structure is required.</p> <p>JCAB may request additional technical explanation, such as detail design explanation, Ground Test Plans/Results and/or other technical data/documents etc., to validate how compliance was demonstrated.</p>	§27.571, §27.573

JCAB Special Emphasis Items
(Revision 1: As of March 30, 2020)

Subpart D: Design and Construction (§27.601 – §27.873)		
Fire Extinguisher (Halon Replacement)	Applicable to the projects in which the Halon replacement fire extinguishers are used. JCAB may request additional technical explanation to evaluate the use of non-Halon fire extinguishing/suppression agents.	§27.851
Subpart E: Powerplant (§27.901 – §27.1195)		
Turbine Engine Induction System in Icing Condition	Applicable to the projects for which the compliance determination for §27.1093 is required. JCAB may request additional technical explanation, such as detail design explanation, Ground and Flight Test Plans/Results and/or other technical data/documents etc., to validate how compliance was demonstrated.	§27.1093
Subpart F: Equipment (§27.1301 – §27.1461)		
Integrated Modular Avionics (IMA)	Applicable to the projects in which the Integrated Modular Avionics (IMA) is used. JCAB may request additional technical explanation, such as detail design explanation, Ground Test Plans/Results and/or other technical data/documents etc., to validate how the common cause failure condition is eliminated/minimized and how compliance is demonstrated.	§27.1301, §27.1309
Electrical Wiring System Installation	Applicable to the projects for which the compliance determination for Electrical Wiring System Installation is required. JCAB may request additional technical explanation to validate, such as electrical wiring compliance summary report and/or wiring safety report, detail design explanation, Ground Test Plans/Results and/or other technical data/documents etc.	§27.952, §27.1301, §27.1309, §27.1365

JCAB Special Emphasis Items
(Revision 1: As of March 30, 2020)

Lightning Protection	<p>Applicable to the projects for which the compliance determination for §27.1316 is required.</p> <p>JCAB may request additional technical explanation, such as detail design explanation, Ground Test Plans/Results and/or other technical data/documents etc., to validate how compliance was demonstrated.</p>	§27.1316
HIRF	<p>Applicable to the projects for which the compliance determination for §27.1317 is required.</p> <p>JCAB may request additional technical explanation, such as detail design explanation, Ground Test Plans/Results and/or other technical data/documents etc., to validate how compliance was demonstrated.</p>	§27.1317
Lithium Batteries	<p>For use of Lithium Batteries, JCAB may request additional technical explanation, such as detail design explanation, Ground Test Plans/Results and/or other technical data/documents etc., to validate how compliance was demonstrated.</p>	§27.1353, §27.1301, §27.1309, §27.1529
Flight in Icing Condition	<p>Applicable to the projects for which the compliance determination to the new icing condition requirements including supercooled large drops, ice crystal and mixed phase icing is required.</p> <p>JCAB may request additional technical explanation, such as detail design explanation, Ground and Flight Test Plans/Results and/or other technical data/documents etc..</p>	§27.1419, Appendix C to Part 29
Flight Data Recorder	<p>Applicable to the projects in which the operational and recording requirements of the Flight Data Recorder are affected.</p> <p>JCAB may request additional technical explanation to confirm if the Japanese operational and recording requirements, which are specified in CAR Article 149 and 149-3, are satisfied.</p>	<p>§27.1459</p> <p>Civil Aeronautics Regulation (CAR) Article 149, 149-3</p>

JCAB Special Emphasis Items
(Revision 1: As of March 30, 2020)

Subpart G: Operating Limitations and Information (§27.1503 – §27.1589)		
Instruction for Continued Airworthiness (ICA)	Applicants must prepare complete ICA when the Type Certification is issued by JCAB.	§27.1529
Special Operation	Applicable to projects in which the systems designed for special operations, such as agricultural installations, firefighting, power line survey etc. are installed. JCAB may request additional technical explanation for installations designed for special operations, such as agricultural installations, firefighting, power line survey etc.	14 CFR Part 27, Subpart-G
Operating Limitations	Applicable to projects that introduce changes to the Operating Limitations in Rotorcraft Flight Manual. JCAB evaluates any changes in Operating Limitations in Rotorcraft Flight Manual.	§27.1583
Others		
Airborne Cyber Security	For Security Assurance Activities to isolate or protect the Aircraft Systems and Network from Internal and External Threats, JCAB may request additional technical explanation to validate, such as network assets explanation, Security risk assessment that takes into consideration threats such as unauthorized access, Security verification summary and Aircraft network security guidance, detail design explanation, Ground Test Plans/Results and/or other technical data/documents etc.	None
PED Tolerant	JCAB requests to provide operating capability statement for PED Tolerant, such as Service Bulletin or Service Information Letter, etc., with regard to §91.21 and §121.306, if exists.	§91.21, §121.306

JCAB Special Emphasis Items
(Revision 1: As of March 30, 2020)

D) For Transport Rotorcraft

Subject	Description	Ref. Standards, etc.
Subpart A: General (§29.1, §29.2)		
Subpart B: Flight (§29.21 – §29.251)		
Flight Characteristic and Handling Quality	<p>Applicable to flight controls changes which may significant impact in flight characteristics, controllability and maneuverability, trim characteristics, vibration and buffeting characteristics, including control laws changes for fly-by-wire rotorcraft.</p> <p>JCAB may request additional technical explanation, such as detail design explanation, Ground and Flight Test Plans/Results and/or other technical data/documents etc.</p> <p>JCAB may request to conduct actual aircraft inspection and/or familiarization flight.</p>	14 CFR Part 29, Subpart B, D
Human Factor	<p>Applicable to Human Factor related changes, such as upgrade to Highly Integrated Glass Cockpit, control laws changes for fly-by-wire aircrafts, or change of non-normal checklists etc.</p> <p>JCAB may request additional technical explanation, such as detail design explanation, Ground and Flight Test Plans/Results and/or other technical data/documents etc.</p> <p>JCAB may request to conduct actual aircraft inspection and/or familiarization flight.</p>	14 CFR Part 29, Subpart-B, D, F
Subpart C: Strength Requirements (§29.301 – §29.573)		
Fatigue and Damage Tolerance for Composite Structure	<p>Applicable to the projects for which the compliance determination of Fatigue and Damage Tolerance for Composite Structure is required.</p> <p>JCAB may request additional technical explanation, such as detail design explanation, Ground Test Plans/Results and/or other technical data/documents etc., to validate how compliance was demonstrated.</p>	§29.571, §29.573

JCAB Special Emphasis Items
(Revision 1: As of March 30, 2020)

Subpart D: Design and Construction (§29.601 – §29.873)		
Fire Extinguisher (Halon Replacement)	<p>Applicable to the projects in which the Halon replacement fire extinguishers are used.</p> <p>JCAB may request additional technical explanation to evaluate the use of non-Halon fire extinguishing/suppression agents.</p>	§29.851
Subpart E: Powerplant (§29.901 – §29.1203)		
Turbine Engine Induction System in Icing Condition	<p>Applicable to the projects for which the compliance determination for §29.1093 is required.</p> <p>JCAB may request additional technical explanation, such as detail design explanation, Ground and Flight Test Plans/Results and/or other technical data/documents etc., to validate how compliance was demonstrated.</p>	§29.1093
Subpart F: Equipment (§29.1301 – §29.1461)		
Integrated Modular Avionics (IMA) system	<p>Applicable to the projects in which the Integrated Modular Avionics (IMA) is used.</p> <p>JCAB may request additional technical explanation, such as detail design explanation, Ground Test Plans/Results and/or other technical data/documents etc., to validate how the common cause failure condition is eliminated/minimized and how compliance is demonstrated.</p>	§29.1301, §29.1309
Electrical Wiring System Installation	<p>Applicable to the projects for which the compliance determination for Electrical Wiring System Installation is required.</p> <p>JCAB may request additional technical explanation to validate, such as electrical wiring compliance summary report and/or wiring safety report, detail design explanation, Ground Test Plans/Results and/or other technical data/documents etc.</p>	§29.952, §29.1301, §29.1309, §29.1351, §29.1359

JCAB Special Emphasis Items
(Revision 1: As of March 30, 2020)

Lightning Protection	<p>Applicable to the projects for which the compliance determination for §29.1316 is required.</p> <p>JCAB may request additional technical explanation, such as detail design explanation, Ground Test Plans/Results and/or other technical data/documents etc., to validate how compliance was demonstrated.</p>	§29.1316
HIRF	<p>Applicable to the projects for which the compliance determination for §29.1317 is required.</p> <p>JCAB may request additional technical explanation, such as detail design explanation, Ground Test Plans/Results and/or other technical data/documents etc., to validate how compliance was demonstrated.</p>	§29.1317
Lithium Batteries	<p>For use of Lithium Batteries, JCAB may request additional technical explanation, such as detail design explanation, Ground Test Plans/Results and/or other technical data/documents etc., to validate how compliance was demonstrated.</p>	§29.1353, §29.1301, §29.1309, §29.1529
Flight in Icing Condition	<p>Applicable to the projects for which the compliance determination to the new icing condition requirements including supercooled large drops, ice crystal and mixed phase icing is required.</p> <p>JCAB may request additional technical explanation, such as detail design explanation, Ground and Flight Test Plans/Results and/or other technical data/documents etc..</p>	§29.1419, Appendix C
Flight Data Recorder	<p>Applicable to the projects in which the operational and recording requirements of the Flight Data Recorder are affected.</p> <p>JCAB may request additional technical explanation to confirm if the Japanese operational and operational requirements, which are specified in CAR Article 149 and 149-3, are satisfied.</p>	<p>§29.1459</p> <p>Civil Aeronautics Regulation (CAR) Article 149, 149-3</p>

JCAB Special Emphasis Items
(Revision 1: As of March 30, 2020)

Subpart G: Operating Limitations and Information (§29.1501 – §29.1589)		
Instruction for Continued Airworthiness (ICA)	Applicants must prepare complete ICA when the Type Certification is issued by JCAB.	§29.1529
Special Operation	Applicable to projects in which the systems designed for special operations, such as agricultural installations, firefighting, power line survey etc. are installed. JCAB may request additional technical explanation for installations designed for special operations, such as agricultural installations, firefighting, power line survey etc..	14 CFR Part 29, Subpart-G
Operating Limitations	Applicable to projects that introduce changes to the Operating Limitations in Rotorcraft Flight Manual. JCAB evaluates any changes in Operating Limitations in Rotorcraft Flight Manual.	§29.1583
Others		
Airborne Cyber Security	For Security Assurance Activities to isolate or protect the Aircraft Systems and Network from Internal and External Threats, JCAB may request additional technical explanation to validate, such as network assets explanation, Security risk assessment that takes into consideration threats such as unauthorized access, Security verification summary and Aircraft network security guidance, detail design explanation, Ground Test Plans/Results and/or other technical data/documents etc.	None
PED Tolerant	JCAB requests to provide operating capability statement for PED Tolerant, such as Service Bulletin or Service Information Letter, etc., with regard to §91.21 and §121.306, if exists.	§91.21, §121.306

JCAB Special Emphasis Items
(Revision 1: As of March 30, 2020)

E) For Engine

	Description	Ref. Standards, etc.
Subpart A: General (§33.1 - §33.8)		
Instruction for Continued Airworthiness (ICA)	Applicants must prepare complete ICA when the Type Certification is issued by JCAB.	§33.4
Subpart B: Design and Construction; General (§33.11 - §33.29)		
Lightning/EMI/HIRF	Applicable to the projects for which the compliance determination for §33.28 and/or §33.91 are required. JCAB may request additional technical explanation, such as detail design explanation, Test Plans/Results and/or other technical data/documents etc.	§33.28, §33.91, AC33-91-1
Subpart C: Design and Construction; Reciprocating Aircraft Engines (§33.31 - §33.39)		
Subpart D: Block Tests; Reciprocating Aircraft Engines (§33.41 - §33.57)		
Endurance Test	Applicable to the projects for which the compliance determination for §33.49 is required. JCAB requests to provide Test Plans/Results.	§33.49
Subpart E: Design and Construction; Turbine Aircraft Engines (§33.61 - §33.79)		
Stress Analysis	Applicable to the projects for which the compliance determination for §33.62 is required. JCAB requests to provide stress analysis report.	§33.62
Induction System Icing	Applicable to the projects for which the compliance determination for §33.68 is required. JCAB requests to provide detail design explanation, Test Plans/Results and/or other technical data/documents etc.	§33.68

JCAB Special Emphasis Items
(Revision 1: As of March 30, 2020)

Critical Parts and Life Limited Parts	Applicable to the project for which the design approval of Critical Parts and Life Limited Parts are required. JCAB requests to provide Low Cycle Fatigue Data for evaluation.	§33.70
Foreign Object Ingestion	Applicable to the projects for which the compliance determination for §33.76, §33.77 and/or §33.78 are required. JCAB requests to provide detail design explanation, Test Plans/Results and/or other technical data/documents etc.	§33.76, §33.77, §33.78
Subpart F: Block Tests; Turbine Aircraft Engines (§33.81 - §33.99)		
Endurance Test	Applicable to the projects for which the compliance determination for §33.87 is required. JCAB requests to provide Test Plans/Results.	§33.87
Blade Containment	Applicable to the projects for which the compliance determination for §33.94 is required. JCAB requests to provide detail design explanation, Ground Test Plans/Results and/or other technical data/documents etc.	§33.94
Subpart G: Special Requirement; Turbine Aircraft Engines (§33.201)		
ETOPS	Applicable to the projects for which the compliance determination for ETOPS is required. JCAB may ensure that data and information related to ETOPS requirements.	§33.201
Others		
Engine Exhaust Emissions	Applicable to the projects for which the Engine Exhaust Emissions are affected. JCAB requests to provide technical data/documents for Engine Emissions to show compliance with Environmental Requirements for Turbo Jet and Turbo Fan Engines if applicable.	14 CFR Part 34

JCAB Special Emphasis Items
(Revision 1: As of March 30, 2020)

F) For Propeller

	Description	Ref. Standards, etc.
Subpart 35: General (§35.1 – §35.7)		
Instruction for Continued Airworthiness (ICA)	Applicants must prepare complete ICA when the Type Certification is issued by JCAB.	§35.4
(Subpart B: Design and Construction (§35.11 – §35.24))		
Propeller Critical Parts	Applicable to the project for which the design approval of Propeller Critical Parts are required. JCAB may request additional technical data, such as detail design explanation, Test Plans/Results and/or other technical data/documents etc.	§35.16
Subpart C: Test and Inspection (§35.31 – §35.47)		
Bird Impact	Applicable to the projects for which the compliance determination for §35.36 is required. JCAB may request additional technical explanation, such as detail design explanation, Test Plans/Results and/or other technical data/documents etc.	§35.36
Lightning Strike	Applicable to the projects for which the compliance determination for Lightning Strike is required. JCAB may request additional technical explanation, such as detail design explanation, Test Plans/Results and/or other technical data/documents etc.	§35.38
Endurance Test and Functional Test	Applicable to the projects for which the compliance determination for §35.39 is required. JCAB requests to provide Test Plans/Results.	§35.39