



ICAO

The Third Meeting of the Asia/Pacific Aerodrome Assistance Working Group (AP-AA/WG/3)

Video Teleconference, 23 to 26 March 2021

Agenda Item 6: USOAP CMA in AGA

USOAP CMA PROTOCOL QUESTIONS – 2020 EDITION AND STATE SAFETY PROGRAMME IMPLEMENTATION ASSESSMENT

(Presented by the Secretariat)

SUMMARY

This paper introduces the 2020 edition of the Protocol Questions (PQs) of the ICAO Universal Safety Oversight Audit Programme Continuous Monitoring Approach. Opportunity is also taken to recapitulate the information of State Safety Programme Implementation Assessment.

1. INTRODUCTION

1.1 Each ICAO Member State should establish and implement an effective safety oversight system, in order to address all areas of aviation activities. The Universal Safety Oversight Audit Programme (USOAP) Continuous Monitoring Approach (CMA) measures the effective implementation (EI) of a State's safety oversight system.

1.2 To standardize the conduct of audits under USOAP CMA, ICAO established protocol questions (PQs) based on safety-related ICAO Standards and Recommended Practices (SARPs) established in the Annexes to the Chicago Convention, Procedures for Air Navigation Services (PANS) and ICAO guidance materials. Each PQ contributes to assessing the EI of one of the eight critical elements (CEs) in one of the eight audit areas.

1.3 The use of standardized PQs ensures transparency, quality, consistency, reliability and fairness in the conduct and implementation of USOAP CMA activities.

2. DISCUSSION

2020 Edition of USOAP CMA PQs

2.1 ICAO has developed the 2020 edition of USOAP CMA PQs, in accordance with the recommendations and observations from the Group of Experts for the USOAP CMA Structured Review (GEUSR), as well as updates based on amendments to ICAO provisions (including Annexes to the *Convention on International Civil Aviation* (Doc 7300), Procedures for Air Navigation Services (PANS) and guidance materials), and feedback from States and stakeholders.

2.2 Announced in ICAO Electronic Bulletin 2021/3 (**Attachment A**), the 2020 edition of PQs in English is now posed on the USOAP CMA online framework (OLF) (<https://www.icao.int/usoap>) under the heading “CMA Library”. For reference purposes, the PQ documentation also includes: Introduction, General Guidelines, Specific Guidelines, Acronyms and Abbreviations, ICAO References and a Summary of Amendments for each of the eight audit areas.

2.3 The 2020 edition of the PQs will become applicable to all USOAP CMA activities starting after 1 June 2021. For those activities starting before 1 June 2021, the 2017 edition of the PQs will continue to apply.

2.4 Due to the deletion of 178 PQs from the 2017 edition, the EI scores of States, as reflected on the CMA OLF, will be updated as soon as the States are migrated to the 2020 edition. These updated scores will also vary slightly from the scores resulting from previous activities.

2.5 The 2020 edition of AGA PQs is available in **Attachment B**.

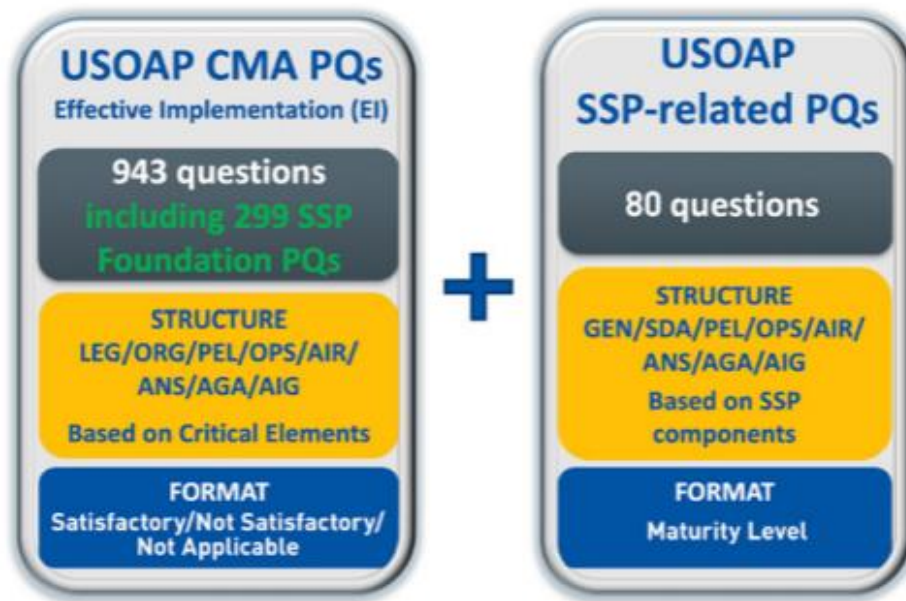
State Safety Programme Implementation Assessment (SSPIA)

2.6 ICAO has rolled out SSP implementation assessments (SSPIAs), a qualitative (non-quantitative) assessment of a State’s progress in implementing an SSP, under the USOAP CMA using SSP-related PQs that have been updated to reflect Annex 19, ICAO *Safety Management Manual* (Doc 9859) as well as the lessons learned from voluntary and confidential SSP implementation assessments conducted previously.

2.7 Those PQs are not linked to critical elements (CEs), but to applicable SSP components. They are broken down into eight areas:

- a) SSP general aspects (GEN);
- b) safety data analysis general aspects (SDA);
- c) personnel licensing and training (PEL);
- d) aircraft operations (OPS);
- e) airworthiness of aircraft, authorized maintenance organization aspects only (AIR);
- f) air navigation services, air traffic service aspects only (ANS);
- g) aerodromes and ground aids (AGA); and
- h) aircraft accident and incident investigation (AIG)

2.8 The relationship between USOAP CMA PQs, USOAP SSP Foundation PQs and USOAP SSP-related PQs are shown in the figure below.



2.9 SSPIA will be prioritized for States which fulfill the following criteria:

- a) A good level of implementation of SSP Foundation PQs and evidence of:
 - (i) a robust and sustainable safety oversight system and aircraft accident / serious incident investigation system; and
 - (ii) an effective mandatory safety reporting system, State aircraft accident and incident database and safety analyses; and
- b) Effective completion and updates of self-assessment of all PQs, including those related to SSP, by the State.

2.10 More information regarding SSPIA is available in the presentation in **Attachment C**. In the meantime, a set of SSPIA AGA PQs is available in **Attachment D** for reference.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) urge States to review the 2020 edition of USOAP CMA PQs and update their responses in PQ Self-Assessment; and
- b) note the criteria for the prioritization of SSPIAs.

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UNIVERSAL SAFETY OVERSIGHT AUDIT PROGRAMME (USOAP) CONTINUOUS MONITORING APPROACH (CMA) PROTOCOL QUESTIONS (PQs) — 2020 EDITION

1. The International Civil Aviation Organization (ICAO) has developed the 2020 edition of its Protocol Questions (PQs), in accordance with recommendations and observations from the Group of Experts for the Universal Safety Oversight Audit Programme (USOAP) Continuous Monitoring Approach (CMA) Structured Review (GEUSR) as well as updates based on amendments to ICAO provisions (Annexes to the *Convention on International Civil Aviation* (Doc 7300), Procedures for Air Navigation Services (PANS), guidance material) and State and stakeholder feedback.
2. The 2020 edition of the PQs, in English, is now posted on the USOAP CMA online framework (<https://www.icao.int/usoap>) under the heading “CMA Library”. The French, Spanish, and Russian translations will follow. For reference purposes, the PQ documentation also includes: Introduction, General Guidelines, Specific Guidelines, Acronyms and Abbreviations, ICAO References and a Summary of Amendments for each of the eight audit areas.
3. The 2020 edition of the PQs will become applicable for all USOAP CMA activities (on-site and off-site activities) starting after 1 June 2021. For USOAP CMA activities starting before 1 June 2021, the 2017 edition of the PQs will continue to apply.
4. Due to the deletion of 178 PQs from the 2017 edition, the effective implementation (EI) scores of States, as reflected on the CMA online framework, will be updated as soon as the States are migrated to the 2020 edition. These updated scores will also vary slightly from the scores resulting from previous activities.
5. States are encouraged to review and update their information in the PQ Self-Assessment as it relates to the amended PQs. ICAO will use this information as part of its USOAP CMA planning and pre-activity preparation process.

Issued under the authority of the Secretary General

USOAP CMA 2020 Protocol Questions Aerodromes and ground aids — AGA

Explanatory Note on the 2020 Edition of the Protocol Questions (PQs):

Revised on the basis of the 2017 edition, this 2020 edition of the USOAP CMA Protocol Questions (PQs) follows the recommendations of the Group of Experts for a USOAP CMA Structured Review (GEUSR) (C-WP14757 refers) that was approved by the Council of ICAO on 18 June 2018. Some notable features of this 2020 edition are the exclusion of certain PQs that are not relevant to the State safety oversight system or the accident and incident investigation system, reduction of the total number of PQs (from 943 to 790), and identification of a subset of Priority PQs.

At the same time, a separate set of PQs on State Safety Programme (SSP) was developed in 2018 to assess the SSP implementation by States. These SSP-related PQs are posted on the “CMA Library” page of the USOAP CMA online framework (<https://www.icao.int/usoap>).

Once States and relevant regional organizations are migrated to the 2020 PQ edition, the Effective Implementation (EI) values for all their USOAP activities, as indicated on the USOAP CMA online framework, will also be updated and adjusted accordingly.

Introduction to the ICAO USOAP CMA Protocol Questions

Protocol Questions (PQs) are the primary tool used in the ICAO Universal Safety Oversight Audit Programme (USOAP) Continuous Monitoring Approach (CMA) for assessing the effective implementation of the eight critical elements (CEs) of a State’s safety oversight system. Developed based on ICAO Standards and Recommended Practices (SARPs), Procedures for Air Navigation Services (PANS) and ICAO guidance material, the PQs are revised periodically by ICAO to reflect amendments to the ICAO provisions and reference documents.

The PQs are organized by audit areas and each PQ is associated with one of the eight CEs.

The eight audit areas are as follows:

- 1) Primary aviation legislation and specific operating regulations (LEG);
- 2) Civil aviation organization (ORG);
- 3) Personnel licensing and training (PEL);
- 4) Aircraft operations (OPS);
- 5) Airworthiness of aircraft (AIR);
- 6) Aircraft accident and incident investigation (AIG);
- 7) Air navigation services (ANS); and
- 8) Aerodromes and ground aids (AGA).

The eight CEs are as follows:

- CE-1. Primary aviation legislation
- CE-2. Specific operating regulations
- CE-3. State system and functions
- CE-4. Qualified technical personnel
- CE-5. Technical guidance, tools and provision of safety-critical information
- CE-6. Licensing, certification, authorization and approval obligations
- CE-7. Surveillance obligations
- CE-8. Resolution of safety issues

States are expected to use the PQs to conduct regular self-assessments and in this way, monitor the health of their aviation safety oversight system in a proactive manner.

A State is deemed to have *fully addressed* a PQ when it has implemented all the required elements of the PQ. This generates a “*satisfactory*” status of implementation for the PQ. If the State provides insufficient or no evidence of compliance with the elements outlined in the PQ, the PQ is assessed as “*not satisfactory*”. The State is required to develop and implement a corrective action plan (CAP) which fully addresses the associated PQ and all identified deficiencies.

The status of each PQ for a State is reflected in the USOAP CMA Online Framework (<https://www.icao.int/usoap>) and summarized in the activity report.

For reference purposes, the PQs are hereby presented in a table format. Each PQ is assigned a PQ number (e.g. 1.001), associated with a CE (e.g. CE-1), and supplemented by the relevant “Guidance for Review of Evidence” and “ICAO References”. PQs shown in shaded rows can be assessed only in a USOAP CMA on-site activity, while Priority PQs are indicated as such (with “Yes” note) under the “PPQ” column.

For each PQ, the corresponding “Guidance for Review of Evidence” provides *an itemized list of elements* to be implemented by the State in order to address the PQ *satisfactorily*. When preparing for a USOAP CMA audit, States should use these listed elements, as applicable, to prepare the necessary supporting documentation and evidence for all PQs within the scope of the audit. When preparing for an ICAO validation activity, States should provide the necessary supporting documentation and evidence for all PQs, within the scope of the validation activity, that were previously assessed as “*not satisfactory*”.

Representatives of a State’s civil aviation authority/investigation authority who participate in USOAP CMA activities should be familiar with each PQ and the related “Guidance for Review of Evidence” that will be addressed during the activities. All the information and evidence for each PQ that are to be provided to the USOAP CMA activity team should be prepared in advance.

The “Summary of Amendments” table provides a list of new, revised, merged and deleted PQs and a brief description of the amendments.

For the 2020 edition of the PQs, the total number of PQs is 790 and a breakdown for each area is shown below:

	Area	Number of 2020 PQs
1	LEG	23
2	ORG	13
3	PEL	93
4	OPS	126
5	AIR	186
6	AIG	84
7	ANS	122
8	AGA	143
<i>TOTAL NUMBER</i>		<i>790</i>

General Guidelines for All Areas

Legislation, Primary Aviation Legislation and Specific Operating Regulations

The term “legislation” in the USOAP CMA Protocol Questions is used as a generic term to include primary aviation legislation and specific operating regulations.

The term “primary aviation legislation” in the USOAP CMA Protocol Questions includes any legislative provision and/or instrument promulgated and enforceable in the State (e.g. laws, acts, codes and international treaties).

The term “specific operating regulations” in the USOAP CMA Protocol Questions includes any binding regulatory provisions and/or instruments in the State (e.g. regulations, decrees, rules, and orders).

Processes and Procedures

Processes and procedures should clarify *who does what, how, when (or within what timeframes) and in coordination with whom*, as applicable.

Delegation of Duties and Tasks

When a State has delegated some of its safety oversight duties and tasks to another State or organization, the PQs on the delegation may have to be evaluated with the entity to which the duties and tasks have been delegated.

The State remains responsible for ensuring that the delegated duties and tasks are performed, at all times, by qualified individuals who ensure the implementation of the applicable legislation as well as the established processes and procedures. There should also be a system in place for conducting surveillance of the delegated duties and tasks and a process for the resolution of identified safety deficiencies.

Regulatory Function versus Service Provider Function

For a State which has not established a clear separation between its regulatory function and its service provider function or where the State Civil Aviation Authority (CAA) is both the regulator *AND* the service provider, the related PQs remain applicable.

Industry Visits

Industry visits are conducted to review and verify that the implementation of the established requirements, procedures and safe practices in each area complies with ICAO provisions and the State’s applicable national legislation.

On-Site Activity

PQs that can only be assessed in a USOAP CMA on-site activity are shown in shaded rows in the PQ table.

Priority Protocol Questions (PPQs)

A subset of PQs is classified as Priority PQs or PPQs, which, if found not satisfactory, may indicate a lack of capability by a State to identify and/or resolve operational safety and fundamental accident investigation deficiencies effectively.

Annex

The term “Annex” in the USOAP CMA Protocol Questions stands for Annex to the Chicago Convention.

ICAO References

The ICAO references are classified as follows (shown here in alphabetical order): Chicago Convention (CC), ICAO Circular (Cir), ICAO Guidance Material (GM), Procedures for Air Navigation Services (PANS), Recommended Practice (RP), Regional Supplementary Procedures (SUPPS), and Standard (STD).

Specific Guidelines for AGA

The AGA PQs are used to assess the aerodrome certification and surveillance system of States. They are based on the SARPs of Annex 14 to the Chicago Convention as well as relevant ICAO guidance material.

The aerodrome certification and surveillance system in place should cover not only international aerodromes, but also aerodromes open to public use. With respect to guidance material, their availability to both the regulatory personnel and the aerodrome operators should be ensured through an established mechanism.

Applicability of Certain PQs

For States without heliports or heliports open to international operations, all related PQs are to be marked as “*not applicable*”.

For States which do not have snow, all PQs on snow are “*not applicable*” to them.

For States which do not need advanced surface movement guidance and control systems (A-SMGCS) due to the type of their operations, all PQs on A-SMGCS are similarly “*not applicable*” to them.

Industry Visits

Some PQs will be verified during industry visits, such as those on the protective and respiratory equipment for rescue and firefighting (RFF) personnel, RFF training, emergency plan reviews, command centres, sampling of aerodrome manuals and implementation of driver requirements for personnel authorized to drive in the movement areas.

Acronyms and Abbreviations

A = Annex
ACN = Aircraft Classification Number
AGA = Aerodromes and Ground Aids
AIP = Aeronautical Information Publication
AIS = Aeronautical Information Service
Amdt. = Amendment
App. = Appendix
Art. = Article
A-SMGCS = Advanced Surface Movement Guidance and Control System
ATS = Air Traffic Service
Att. = Attachment to an ICAO document
CAA = Civil Aviation Authority
CC = Chicago Convention
CE = Critical Element
CFIT = Controlled Flight into Terrain
Cir = ICAO Circular
CMA = Continuous Monitoring Approach
DASS = Directorate of Aerodromes Safety and Standards
Doc = ICAO Document or Manual
EFOD = Electronic filing of differences
FATO = Final Approach and Take-off Area

GM = ICAO Guidance Material
GRF = Global Reporting Format
NAVAID = Aid to air navigation, also navigation aid
NOTAM = Notice to Airmen
OJT = On-the-job Training
OLS = Obstacle Limitation Surface
PCN = Pavement Classification Number
PPQ = Priority Protocol Question
PQ = Protocol Question
RCR = Runway condition report
RESA = Runway End Safety Area
RFF = Rescue and Firefighting
RP = Recommended Practice contained in an Annex to the Chicago Convention
RVR = Runway visual range
RWYCC = Runway condition code
SARPs = Standards and Recommended Practices
SMGCS = Surface Movement Guidance and Control System
STD = International Standard contained in an Annex to the Chicago Convention
USOAP = Universal Safety Oversight Audit Programme

List of ICAO Reference Documents

- Doc 7300 — *Convention on International Civil Aviation*
(also known as the Chicago Convention)
- Annex 11 — *Air Traffic Services* (15th edition, July 2018)
- Annex 13 — *Aircraft Accident and Incident Investigation* (11th edition, July 2016)
- Annex 14 — *Aerodromes*
Volume I — *Aerodrome Design and Operations* (Amdt 14, 8th edition, July 2018)
Volume II — *Heliports* (Amdt. 8, 4th edition, July 2013)
- Annex 15 — *Aeronautical Information Services* (16th edition, July 2018)
- Annex 16 — *Environmental Protection*
Volume I — *Aircraft Noise* (8th edition, July 2017)
- Annex 19 — *Safety Management* (Amdt. 1, 2nd edition, July 2018)
- Doc 9137 — *Airport Services Manual*
Part 1 — *Rescue and Fire Fighting* (4th edition, 2015)
Part 2 — *Pavement Surface Conditions* (4th edition, 2002)
Part 3 — *Wildlife Control and Reduction* (4th edition, 2012)
Part 5 — *Removal of Disabled Aircraft* (4th edition, 2009)
Part 6 — *Control of Obstacles* (2nd edition, 1983)
Part 7 — *Airport Emergency Planning* (2nd edition, 1991)
Part 8 — *Airport Operational Services* (1st edition, 1983)
Part 9 — *Airport Maintenance Practices* (1st edition, 1984)
- Doc 9150 — *Stolport Manual* (2nd edition, 1991)
- Doc 9157 — *Aerodrome Design Manual*
Part 1 — *Runways* (3rd edition, 2006)
Part 2 — *Taxiways, Aprons and Holding Bays* (4th edition, 2005)
Part 3 — *Pavements* (2nd edition, 1983)
Part 4 — *Visual Aids* (4th edition, 2004)
Part 5 — *Electrical Systems* (2nd edition, 2017)
Part 6 — *Frangibility* (1st edition, 2006)
- Doc 9184 — *Airport Planning Manual*
Part 1 — *Master Planning* (2nd edition, 1987)
Part 2 — *Land Use and Environmental Control* (4th edition, 2018)
Part 3 — *Guidelines for Consultant/Construction Services*
(1st edition, 1983)
- Doc 9261 — *Heliport Manual* (4th edition, 2020)
- Doc 9426 — *Air Traffic Services Planning Manual* (1st edition, 1984)
- Doc 9476 — *Manual on Surface Movement Guidance and Control Systems (SMGCS)* (1st edition, 1986)
- Doc 9643 — *Manual on Simultaneous Operations on Parallel or Near-Parallel Instrument Runways* (Provisional) (2nd edition, 2020)
- Doc 9683 — *Human Factors Training Manual* (1st edition, 1998)
- Doc 9734 — *Safety Oversight Manual* (
Part A — *The Establishment and Management of a State's Safety Oversight System* (3rd edition, 2017)
- Doc 9735 — *Universal Safety Oversight Audit Programme Continuous Monitoring Manual* (4th edition, 2014)
- Doc 9774 — *Manual on Certification of Aerodromes* (1st edition, 2001)
- Doc 9806 — *Human Factors Guidelines for Safety Audits Manual*
(1st edition, 2002)
- Doc 9830 — *Advanced Surface Movement Guidance and Control Systems (A-SMGCS) Manual* (1st edition, 2004)
- Doc 9870 — *Manual on the Prevention of Runway Incursions*
(1st edition, 2007)
- Doc 9981 — *Procedures for Air Navigation Services: Aerodromes (PANS-AGA)* (2nd edition, 2016)
- Cir 305 — *Operation of New Larger Aeroplanes at Existing Aerodromes* (June 2004)
- Cir 355 — *Assessment Measurement and Reporting of Runway Surface Conditions* (2019)

SUMMARY OF AMENDMENTS – AGA PQs

Note 1.— The PQs are listed here sequentially for convenience. This may differ from their order on the USOAP CMA Online Framework or in the following document.

Note 2.— The PQs in the shaded rows require a USOAP CMA on-site activity. For the remaining PQs, no on-site activity is required in most cases.

PQ No. (2017 version)	PQ No. (2020 version)	Type of Amendment					Description of Amendments
		New	Revised	Deleted	Merged	No change	
8.009	.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PQ has been deleted.
8.013	.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PQ has been deleted.
8.017	.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PQ has been deleted.
8.019	.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PQ has been deleted.
8.067	.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PQ has been deleted and merged with 8.065 in 2020 Edition.
8.071	.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PQ has been deleted.
8.073	.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PQ has been deleted.
8.081	.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PQ has been deleted and merged with 8.005 in 2020 Edition.
8.084	.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PQ has been deleted and merged with 8.063 in 2020 Edition.
8.089	.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PQ has been deleted.
8.097	.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PQ has been deleted.
8.107	.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PQ has been deleted and merged with 8.105 in 2020 Edition.
8.121	.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PQ has been deleted and merged with 8.119 in 2020 Edition.
8.123	.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PQ has been deleted and merged with 8.115 in 2020 Edition.
8.135	.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PQ has been deleted.
8.165	.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PQ has been deleted and merged with 8.163 in 2020 Edition.
8.185	.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PQ has been deleted and merged with 8.183 in 2020 Edition
8.203	.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PQ has been deleted and merged with 8.209 in 2020 Edition.
8.205	.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PQ has been deleted.
8.216	.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PQ has been deleted and merged with 8.202 in 2020 Edition.
8.217	.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PQ has been deleted and merged with 8.225 in 2020 Edition.
8.237	.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PQ has been deleted.
8.261	.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PQ has been deleted and merged with 8.259 in 2020 Edition.
8.285	.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PQ has been deleted and merged with 8.415 in 2020 Edition.

PQ No. (2017 version)	PQ No. (2020 version)	Type of Amendment					Description of Amendments
		New	Revised	Deleted	Merged	No change	
8.289	.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PQ has been deleted and merged with 8.287 in 2020 Edition.
8.326	.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PQ has been deleted.
8.327	.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PQ has been deleted and merged with 8.333 in 2020 Edition.
8.373	.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PQ has been deleted and merged with 8.369 in 2020 Edition.
8.391	.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PQ has been deleted and merged with 8.389 in 2020 Edition.
8.001	8.001	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Question and guidance revised for clarity. Reference revised.
8.003	8.003	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Guidance revised for clarity.
8.005	8.005	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Merged with 8.081 of 2017 PQs. Question, guidance and reference revised.
8.011	8.011	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Guidance revised for clarity.
8.015	8.015	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Guidance revised for clarity.
8.031	8.031	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.033	8.033	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Reference revised.
8.035	8.035	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.039	8.039	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Guidance revised for clarity.
8.040	8.040	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Reference revised.
8.042	8.042	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Reference revised.
8.045	8.045	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Reference revised.
8.047	8.047	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.048	8.048	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.049	8.049	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.050	8.050	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.051	8.051	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Guidance revised for clarity. Reference revised.
8.053	8.053	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Reference revised.
8.055	8.055	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Reference revised.
8.057	8.057	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Reference revised.
8.063	8.063	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Merged with 8.084 of 2017 PQs. Guidance and reference revised.
8.065	8.065	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Merged with 8.067 of 2017 PQs. Guidance and reference revised.
8.069	8.069	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Guidance revised for clarity. Reference revised.
8.083	8.083	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.085	8.085	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Guidance revised for clarity. Reference revised.

PQ No. (2017 version)	PQ No. (2020 version)	Type of Amendment					Description of Amendments
		New	Revised	Deleted	Merged	No change	
8.086	8.086	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.087	8.087	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Reference revised.
8.091	8.091	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.093	8.093	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Question and guidance revised for clarity. Reference revised.
8.099	8.099	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.101	8.101	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.103	8.103	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.105	8.105	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Merged with 8.107 of 2017 PQs. Question, guidance and reference revised.
8.111	8.111	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.113	8.113	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Question revised for clarity. Reference revised.
8.115	8.115	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Merged with 8.123 of 2017 PQs. Question, guidance and reference revised.
8.119	8.119	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Merged with 8.121 of 2017 PQs. Question, guidance and reference revised.
8.132	8.132	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.133	8.133	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.134	8.134	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.137	8.137	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.139	8.139	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Question revised for clarity. Reference revised.
8.141	8.141	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Reference revised.
.	8.142	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	New PQ.
8.143	8.143	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Question revised for clarity. Reference revised.
.	8.144	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	New PQ.
8.145	8.145	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Question revised for clarity. Reference revised. CE-7 changed to CE-6.
8.147	8.147	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Question and guidance revised for clarity. Reference revised.
.	8.148	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	New PQ.
8.149	8.149	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Reference revised.
8.151	8.151	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.153	8.153	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.155	8.155	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.157	8.157	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.161	8.161	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.

PQ No. (2017 version)	PQ No. (2020 version)	Type of Amendment					Description of Amendments
		New	Revised	Deleted	Merged	No change	
8.162	8.162	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.163	8.163	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Merged with 8.165 of 2017 PQs. Guidance revised.
8.169	8.169	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Question and guidance revised for clarity.
8.171	8.171	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Reference revised. CE-6 changed to CE-7.
8.172	8.172	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.173	8.173	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.175	8.175	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Question revised for clarity.
8.177	8.177	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Question revised for clarity.
8.179	8.179	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Reference revised.
8.181	8.181	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.182	8.182	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.183	8.183	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Merged with 8.185 of 2017 PQs. Reference revised.
8.191	8.191	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.201	8.201	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.202	8.202	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Merged with 8.216 of 2017 PQs. Question, guidance and reference revised.
.	8.204	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	New PQ.
8.209	8.209	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Merged with 8.203 of 2017 PQs. Question, guidance and reference revised.
8.211	8.211	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.215	8.215	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.219	8.219	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Reference revised.
8.221	8.221	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Question and guidance revised for clarity.
8.222	8.222	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.223	8.223	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.225	8.225	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Merged with 8.217 of 2017 PQs. Guidance revised.
8.227	8.227	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.233	8.233	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.235	8.235	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.239	8.239	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Guidance revised for clarity.
8.245	8.245	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.251	8.251	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.

PQ No. (2017 version)	PQ No. (2020 version)	Type of Amendment					Description of Amendments
		New	Revised	Deleted	Merged	No change	
8.252	8.252	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.253	8.253	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Reference revised.
8.255	8.255	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Question revised for clarity. Reference revised.
8.257	8.257	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Reference revised.
8.259	8.259	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Merged with 8.261 of 2017 PQs. Question revised.
8.273	8.273	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.275	8.275	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Guidance revised for clarity. CE-2 changed to CE-1.
8.277	8.277	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.279	8.279	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.281	8.281	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Reference revised.
8.283	8.283	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CE-6 changed to CE-7.
8.287	8.287	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Merged with 8.289 of 2017 PQs. Guidance and reference revised.
8.291	8.291	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.293	8.293	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.297	8.297	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.299	8.299	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.301	8.301	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.303	8.303	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.305	8.305	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.307	8.307	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.309	8.309	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.311	8.311	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.313	8.313	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.315	8.315	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.317	8.317	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CE-6 changed to CE-7.
8.319	8.319	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.321	8.321	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.323	8.323	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Guidance revised for clarity. Reference revised.
8.328	8.328	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.329	8.329	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.

PQ No. (2017 version)	PQ No. (2020 version)	Type of Amendment					Description of Amendments
		New	Revised	Deleted	Merged	No change	
8.331	8.331	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.333	8.333	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Merged with 8.327 of 2017 PQs. Question, guidance and reference revised. CE-2 changed to CE-1.
8.335	8.335	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.337	8.337	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.339	8.339	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.341	8.341	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.345	8.345	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.347	8.347	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.349	8.349	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.365	8.365	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.367	8.367	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.369	8.369	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Merged with 8.373 of 2017 PQs. Question, guidance and reference revised.
8.375	8.375	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.377	8.377	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.381	8.381	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Guidance revised for clarity.
8.383	8.383	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Guidance revised for clarity.
8.385	8.385	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.387	8.387	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.389	8.389	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Merged with 8.391 of 2017 PQs. Question and reference revised.
8.393	8.393	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.395	8.395	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.401	8.401	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.403	8.403	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Question revised for clarity.
8.405	8.405	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.409	8.409	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.411	8.411	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.413	8.413	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No change.
8.415	8.415	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Merged with 8.285 of 2017 PQs. Question and reference revised.

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.001	Has the State promulgated specific operating regulations to transpose the provisions of Annex 14?	1) Confirm the title, date of promulgation and last amendment of all regulations related to aerodromes. 2) Verify that the content of the regulations is consistent, sufficient, properly organized to cover aerodrome design and operation.	CC Arts. 15, 28 & 37 STD A19 3.2.2.2 GM Doc 9734 Part A, C3	Yes	CE-2
8.003	Has the State implemented procedures for the amendment of its specific regulations, taking into consideration ICAO provisions and their amendments?	1) Review documented evidence of effective implementation of procedures for the amendment of the regulations. 2) Verify that regulations are amended in a timely manner whenever an Annex 14 amendment is received. 3) Verify the action taken by the State after receipt of the last amendments of Annex 14. Note to the auditor: The development of these procedures is addressed in PQ LEG PQ 1.009.	CC Art. 37 GM Doc 9734 Part A, C3	Yes	CE-2
8.005	Has the State promulgated regulations detailing the requirements for the certification of aerodromes?	Verify that the scope of certification covers all relevant specifications established through the regulatory framework applicable to the aerodrome.	CC Art. 15 STD A14 Vol. I, 1.4.1 & 1.4.3 RP A14 Vol. I, 1.4.2 PANS Doc 9981 (AGA)	Yes	CE-2

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.011	If the State is involved in the provision of aerodrome facilities and services, is there a clear separation of authority between the State operators and the State regulatory authority?	Review established method used to ensure objective and impartial safety management.	GM Doc 9774 1.1 Doc 9734 Part A, C2 & C3	Yes	CE-3
8.015	Has the State implemented procedures for identifying and notifying differences, if any, to ICAO?	1) Review documented evidence of effective implementation of existing procedures. 2) Review CC/EFOD for Annex 14, Volume I and Volume II, as applicable. Note to the auditor: The development of these procedures is addressed in LEG PQ 1.025.	CC Arts. 37 & 38 GM Doc 9734 Part A, C3	Yes	CE-2
8.031	Has the State established an organizational structure, e.g. a Directorate of Aerodromes Safety and Standards (DASS), for airport certification and surveillance activities?	1) Confirm current approved organizational structure for CAA and DASS, including lines of responsibility. 2) Note names and acronyms of the established authorities and each section dealing with aerodrome certification and surveillance activities. 3) Cross-check with State Aviation Activity Questionnaire (SAAQ). Note to the auditor: This PQ is not linked to the ORG PQ 2.010.	GM Doc 9774 5.1 & 5.4 Doc 9734 Part A, C3		CE-3

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.033	Are all the functions and responsibilities of the aerodrome regulatory authority clearly defined?	<p>Review document detailing the functions and responsibilities for inclusion of:</p> <ul style="list-style-type: none"> a) Development of aerodrome standards, b) Aerodrome certification, c) Safety oversight audits, d) Notification to the AIS and other organizations, e) Other safety functions, and f) Compliance and enforcement. <p>Note to the auditor: This PQ is not linked to the ORG PQ 2.011.</p>	<p>STD A19 GM Doc 9734 Doc 9774 5.2</p>		CE-3
8.035	Have job descriptions been developed for technical staff and key management personnel of the aerodrome regulatory authority?	<ul style="list-style-type: none"> 1) Review job descriptions for all aerodrome regulatory and inspectorate staff. 2) Check that the job description includes tasks related to Annex 14. 	<p>GM Doc 9734 Part A, C3 Doc 9774 5.5</p>		CE-3

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.039	Does the aerodrome regulatory authority have sufficient human resources (including an appropriate mix of technical disciplines given the size and scope of all the aerodrome operations in the State) to carry out its functions and mandate?	<p>1) Review methodology used for determining staffing levels, taking into account all required functions.</p> <p>2) Review list of available experts which demonstrates a suitable mix of technical disciplines, or access to such, appropriate to aerodrome operations such as:</p> <ul style="list-style-type: none"> a) Aerodrome operations, b) Air traffic and apron management, c) Engineering – civil and electrical, d) Rescue and firefighting (RFF), and e) wildlife hazard control. <p>3) Review ability to carry out all safety oversight-related tasks, including:</p> <ul style="list-style-type: none"> a) reviewing and revising regulations, b) training technical staff, c) developing guidance material, d) issuing approvals and exemptions, e) conducting surveillance, and f) resolving identified safety deficiencies/concerns. 	GM Doc 9734 Part A, C3 Doc 9774 5.4	Yes	CE-3
8.040	Has the State established appropriate minimum qualification and experience requirements for the technical staff and key management personnel of the aerodrome regulatory authority?	Verify that the requirements take into account sufficient operational and technical work experience commensurate with the activities that the inspectors are required to certify or supervise.	STD A19 App. 1, 4.1 GM Doc 9734 Part A, C3		CE-4

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.042	Does the State ensure that the established minimum qualification and experience requirements are met by all technical staff and key management personnel of the aerodrome regulatory authority?	1) Sample recruitment files. 2) Cross-check with established requirements.	STD A19 App. 1, 4.2 GM Doc 9734 Part A, C3		CE-4
8.045	Have aerodrome inspectors been issued credentials to facilitate access to aerodrome facilities in the State and access to certification documentation for the purpose of inspections and enforcement?	Review credentials to ensure: a) Reference to empowering legislation. b) Method established to control currency of credential. c) Inspector’s photo.	STD A19 App. 1, 1 GM Doc 9774 2.2 g) & 3D.6		CE-3
8.047	If the aerodrome regulatory authority delegates its duties to other entities (e.g. CAA divisions, State bodies, Contracting States, regional organizations or private agencies), are the delegated tasks clearly defined?	1) Review documentation clearly defining tasks delegated. 2) Verify the legal mechanism for the delegation.	GM Doc 9734 Part A, C3 Doc 9774 4.1.4		CE-3
8.048	If deficiencies or concerns are identified in the tasks delegated to other entities or individuals, does the aerodrome regulatory authority have a process in place for their resolution?	Review examples of corrective actions taken to resolve deficiencies identified during surveillance activities of the delegated entities/individuals.	GM Doc 9734 Part A, C3		CE-8
8.049	If the duties of the aerodrome regulatory authority have been delegated to other entities or individuals, have the requirements for competency been established?	1) Review competency requirements for delegated entities or individuals. 2) Review minimum qualifications and experience required for individuals receiving delegation.	GM Doc 9734 Part A, C3		CE-4

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.050	Does the aerodrome regulatory authority conduct surveillance of tasks delegated to other entities or individuals?	1) Review mechanism for surveillance. 2) Review evidence to confirm effective implementation. 3) Review that the aspect of maintenance of competency of relevant personnel is covered.	GM Doc 9734 Part A, C3		CE-7
8.051	Has the aerodrome regulatory authority developed a formal training programme detailing the type of training to be provided to aerodrome regulatory and inspectorate staff?	1) Review contents of training programme. 2) Confirm that it covers all the AGA specialist areas and define all the training (initial, specialized, OJT) needed, with time periods to be provided, as applicable, to access the different levels of the aerodrome inspectors' functions in all the specialist areas, and maintain (recurrent) them at those levels. 3) Verify specialized training for: a) Aerodrome operations, b) RFF, c) Wildlife management, d) Assessment of physical characteristics and electrical systems, e) Obstacle control, f) Assessment and reporting of runway surface conditions g) Aeronautical studies/risk assessments, h) Enforcement, and i) Signs, Markings and Lighting.	STD A19 GM Doc 9734 Part A, C3 Doc 9774 5.5	Yes	CE-4

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.053	Does the aerodrome regulatory authority develop a periodic training plans detailing and prioritizing the type of training to be provided during the established period?	1) Review most recent training plan. 2) Ensure that training plans are: a) based on relevant training needs of individual staff members; and b) prioritized according to the operational requirements of the unit.	STD A19 GM Doc 9734 Part A, C3		CE-4
8.055	Is the training programme appropriately implemented?	Verify that the type and frequency of training provided (initial, OJT, recurrent and specialized) is sufficient for the technical staff to acquire/maintain the required level of knowledge, skills, competence and qualifications in accordance with their assigned duties and responsibilities.	STD A19 GM Doc 9734 Part A, C3	Yes	CE-4
8.057	Does the aerodrome regulatory authority have a system for the maintenance of training records for its technical staff?	1) Review requirements/instructions for the establishment and maintenance of training records. 2) Review the system in place and sample training records. 3) Verify that training records: a) are systematically retained, and b) comprise not only certificates of attendance, but also information on the course content. 4) Verify that the training records on the OJT provided include details on the training activities performed (e.g. participation as an observer or performance of tasks under supervision) and their outcome.	STD A19 GM Doc 9734 Part A		CE-4

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.063	Does the State issue and maintain up-to-date publications, including guidance material, to ensure that aerodrome operators are aware of the State regulations and supporting requirements which have to be met for the granting and retention of an aerodrome certificate?	1) Review availability of sufficient information (e.g. booklet, pamphlet, circular, and websites) to a prospective aerodrome operator about the regulations and associated material for obtaining an aerodrome certificate and corresponding specifications. 2) Review process for issuing and keeping published documents up to date. 3) Review list of published documentation to confirm their relevance, currency and coverage of most of the AGA specialist disciplines.	STD A19 App. 1, 5.2 GM Doc 9734 Part A, C3		CE-5
8.065	Are the relevant ICAO documents and other technical publications up-to-date and readily available to aerodrome regulatory and inspectorate staff?	1) Verify accessibility of documents: a) State laws and regulations. b) Orders and instructions. c) Current copy of Annex 14. d) Copies of ICAO guidance material (e.g. Doc 9981, Doc 9774, Doc 9137, Doc 9157, etc.). 2) Evaluate: a) Availability of a technical library; and b) Document control system. Note: Check for field/regional offices as well as Headquarters.	STD A19 App. 1, 5.1 GM Doc 9774 5.3		CE-5
8.069	Has the aerodrome regulatory authority developed guidance material and procedures for aerodrome inspectorate staff, covering each technical specialist area?	Review guidance materials and procedures developed for both aerodrome certification and surveillance activities.	STD A19 App. 1, 5.1 GM Doc 9734 Part A, C3		CE-5

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.083	Has the State established a process for the certification of aerodromes?	Review aerodrome certification process to verify inclusion of the following elements: a) Dealing with an expression of interest. b) Assessment of the formal application. c) Evaluation of the aerodrome manual submitted by the applicant. d) Evaluation of the competence and experience of the aerodrome staff. e) Assessment of aerodrome physical characteristics, facilities and equipment. f) Evaluation of aerodrome operating procedures. g) Issuance or refusal of aerodrome certificate. h) Publication of certified status of an aerodrome and the required details in the AIP.	CC Art. 15 STD A14 Vol. I, 1.4.3 & 1.4.4 PANS Doc 9981 (AGA) 2.1.2.2, 2.1.2.3 & Att. B to C2 GM Doc 9774 3B.3.2 & 4.2	Yes	CE-5
8.085	Does the aerodrome regulatory authority require that a prospective aerodrome operator complete and submit a formal application form for obtaining an aerodrome certificate?	1) Review template. 2) Review examples of completed application forms to confirm effective implementation.	PANS Doc 9981 (AGA) 2.3.3.2 a) GM Doc 9774 3B.2		CE-6
8.086	Does the aerodrome regulatory authority fully implement the certification requirements?	1) Verify the implementation of the certification requirements for all the designated aerodromes. 2) Review samples of aerodrome certification files to confirm consistent application of the certification process for the designated aerodromes.	STD A14 Vol. I, 1.4.1 & 1.4.3 RP A14 Vol. I, 1.4.2 GM Doc 9774 3B.3.2	Yes	CE-6

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.087	Does the aerodrome regulatory authority review the organizational competence and level of resources of prospective aerodrome operators or certificate holders and ensure that they employ competent personnel to perform all critical activities for aerodrome operations and maintenance?	<ol style="list-style-type: none"> 1) Review aerodrome inspector’s guidance material, manuals, checklists, etc. 2) Verify certification process. 3) Review qualification requirements and process for assessment of staff performing all critical activities. 4) Review evidence to confirm effective implementation. 	PANS Doc 9981 (AGA) App. 1 of C2 & 3.2 c) GM Doc 9774 3D.2	Yes	CE-6
8.091	Does aerodrome certification staff track compliance with the initial certification requirements using appropriate checklists?	Review the checklists used for initial certification to confirm effective implementation.	PANS Doc 9981 (AGA) 2.3.2.3, 2.3.2.6, App. 1 to C2 & Att. C to C2 GM Doc 9734 Part A, C3 Doc 9774 4.1.2, 4.4 & 5.2	Yes	CE-6
8.093	Does the scope of the certification process explicitly include referral to competent State entities and coordination with elements of air traffic service (ATS) for the local airspace of an aerodrome?	<ol style="list-style-type: none"> 1) Review referral and coordination with entities such as environmental agency, security agency, local planning authorities, etc. 2) Verify that documentation includes the requirement to coordinate with ATS elements in the certification process. 3) Review evidence to confirm effective implementation. 4) If the aerodrome certification requirements do not explicitly include ATS elements, review the method used to ensure coordination with ATS elements for the local airspace. 	GM Doc 9774 1.2.5, 2.2 d), 2.2 e) & 4.3.3		CE-6

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.099	As part of the State’s aerodrome certification process, does the State implement procedures for accepting a non-compliance with the established requirements, including a risk assessment mechanism and notification procedure?	Verify: a) Effective implementation of procedures for the issuance of exemptions. b) System for recording and publishing exemptions granted. c) Examples of exemptions granted in the area of aerodromes. d) Criteria used for the risk assessment before granting the exemptions. Notes to the auditor: 1) The legal/regulatory basis for the granting of exemptions is addressed LEG PQ 1.027. 2) The establishment of a policy and procedures for the granting of exemptions is addressed in LEG PQ 1.028. 3) The term “exemptions” also includes exceptions, deviations and prolonged extensions.	PANS Doc 9981 (AGA) 2.3.6.2 GM Doc 9734 Part A, C3 Doc 9774 App. 3	Yes	CE-6
8.101	Does the aerodrome certificate issued by the State contain appropriate information, including the type of use of the aerodrome?	Review examples of aerodrome certificate to confirm that the aerodrome’s location, operator, type of use and any exemptions or operational conditions imposed on its use are included.	PANS Doc 9981 (AGA) 2.3.6.1 GM Doc 9774 3B.4 & App. 4	Yes	CE-6
8.103	Does the aerodrome regulatory authority maintain an appropriate filing system for each aerodrome to be certified and a certificate register?	1) Review the filing system of the aerodrome regulatory authority. 2) Review evidence to confirm inclusion of required documents in aerodrome files (e.g. applications forms, manuals, checklists, etc.).	GM Doc 9774 5.3		CE-6

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.105	Has the State established procedures for the amendment and transfer of an aerodrome certificate?	1) Review procedure for amendment and verify that it includes assessment of all elements which could be affected by the change. 2) Review procedure for transfer to ensure that it includes evaluation of all changes and assessment of the capability of the new operator. 3) Review examples, if available.	PANS Doc 9981 (AGA) 2.5.8.6 GM Doc 9774 3B.9 & 4.7		CE-5

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.111	Does the State ensure that aerodrome operators develop and submit an aerodrome manual to the appropriate State authority for approval/acceptance prior to certification?	1) Verify that aerodrome manuals have been approved/accepted by the CAA for all designated aerodromes. 2) Review samples of approved/accepted aerodrome manual, specifically for particulars of: a) The aerodrome site b) The aerodrome information to be reported to the AIS: i) General information ii) Aerodrome dimensions and related information c) The aerodrome operating procedures and safety measures: i) Aerodrome reporting ii) Movement area access iii) Aerodrome emergency plan iv) RFF v) Inspection of the movement area and obstacle limitation surface (OLS) vi) Visual aids and aerodrome electrical systems vii) Movement area maintenance viii) Aerodrome works safety ix) Apron management and parking control x) Airside vehicle control xi) Wildlife hazard management xii) Obstacle control xiii) Removal of disabled aircraft xiv) Handling of hazardous materials xv) Low Visibility Operations xvi) Protection of sites for radar and Navigation Aid (NAVAID).	STD A14 Vol. I, 1.4.4 PANS Doc 9981 (AGA) 2.2.1 GM Doc 9774 3.2 & 3B.2	Yes	CE-6

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.113	As part of the certification process, does the State assess both initial and continuing organizational competence to ensure that the aerodrome operator’s staff has the necessary competence and experience to operate and maintain the aerodrome properly?	1) Review copies of policies or similar documents showing linkage to the certification process and national requirements for organizational competence. 2) Review evidence to confirm effective implementation.	STD A14 Vol. I, 1.4.4 PANS Doc 9981 (AGA) Att. A & C to C2 GM Doc 9734 Part A, C3 Doc 9774 C3, 3.2, Section B, 3B3.2 & Section C		CE-7
8.115	Does the State ensure that: a) aerodrome manuals are reviewed periodically; b) the information contained in the manual remain correct; and c) up-to-date copies of approved aerodrome manuals are kept by the aerodrome regulatory authority?	1) Evaluate mechanism to ensure periodic review. 2) Check availability of up-to-date copies of approved aerodrome manuals kept by the aerodrome regulatory authority. 3) Review evidence to confirm effective implementation.	STD A14 Vol. I, 1.4.4 PANS Doc 9981 (AGA) 2.2.3 GM Doc 9774 3.2, 3C.4 & App. 1, 5.3		CE-7
8.119	Does the State provide guidance to the aerodrome regulatory authority technical staff, and have procedures in place, on the initial review and approval/acceptance of an aerodrome manual and its subsequent amendments?	1) Review the guidance, including checklist, to confirm that it addresses all pertinent technical areas and that it is up-to-date. 2) Review procedures to ensure inclusion of the systematic review of proposed amendments and their impact on safety. 3) Review example of checklist used.	PANS Doc 9981 (AGA) Att. C to C2 GM Doc 9734 Part A, C3 Doc 9774 3.2 & 3C.4		CE-5

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.132	Has the State promulgated regulations defining an aerodrome reference code, determined in accordance with the characteristics of the aeroplane for which an aerodrome facility is intended, to be used for planning purposes?	1) Review established requirements. 2) Verify effective use of the aerodrome reference code for aerodrome planning purposes.	STD A14 Vol. I, 1.6		CE-2
8.133	Has the State established coordination between aerodromes/heliports and AIS to ensure up-to-date information of aerodrome safety-related conditions?	1) Review evidence to confirm effective implementation of the arrangements (i.e. signed MOU or letter of agreement, etc.). 2) Verify in the AIP the availability of information on the status of certification of aerodromes and aerodrome conditions, and the operational status of associated facilities, services and navigation aids.	STD A14 Vol. I, 2.13 Vol. II, 2.6		CE-6
8.134	Has the State promulgated regulatory requirements relating to aerodrome data?	Verify regulations, including the following areas specified in Annex 14 Vol. I: 1) Aeronautical data 2) Aerodrome reference point 3) Aerodrome and runway elevations 4) Aerodrome reference temperature 5) Aerodrome dimensions and related information 6) Strength of pavements 7) Pre-flight altimeter check location 8) Declared distances 9) Condition of the movement area and related facilities 10) Disabled aircraft removal 11) Rescue and firefighting 12) Visual approach slope indicator systems 13) Coordination between AIS and aerodrome authorities.	STD & RP A14 Vol. I, C2		CE-2

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.137	Does the State ensure that aerodrome operators comply with the requirements for the determination and reporting of pavement bearing strengths?	Review documented evidence of published documents (e.g. AIP) which confirm effective compliance with the requirements.	STD A14 Vol. I, 2.6.1 to 2.6.6 & 2.6.8		CE-6
8.139	Has the State promulgated regulations and associated industry guidance material to determine the bearing strength of a pavement and regulate the use of a pavement by an aircraft with an aircraft classification number (ACN) higher than the reported pavement classification number (PCN)?	1) Verify regulations. 2) Confirm associated industry guidance material to enable effective implementation.	STD A14 Vol. I, 2.6.1 RP A14 Vol. I, 2.6.7 GM A14 Vol. 1, Att. A, Section 20		CE-2
8.141	Has the State established guidance for calculating the declared distances, to the specified accuracy, for runways intended for use by international commercial air transport?	Review of available guidance.	STD A14 Vol. I, 2.8 GM A14 Vol. 1, Att. A, Section 3		CE-5
8.142	Has the State promulgated regulations relating to monitoring and reporting of information on the condition of the movement area and related facilities?	Verify regulations, including the assessment and reporting of the runway surface condition through a runway condition code (RWYCC).	STD & RP A14 Vol. I, 2.9 PANS Doc 9981 (AGA) Part II, C2	Yes	CE-2

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.143	Does the State ensure that aerodrome operators inspect the movement areas at the appropriate frequency, and monitor and report the condition of the movement areas and operational status of related facilities?	1) Evaluate mechanism to ensure effective implementation. 2) Review evidence to confirm.	STD A14 Vol. I, 2.9.1, 2.9.2, 2.9.3 & 2.9.4 PANS Doc 9981 (AGA) Part II, C3 GM Doc 9137 Part 8 Doc 9476 Doc 9830	Yes	CE-7
8.144	Does the State ensure that personnel assessing and reporting runway surface conditions are trained and competent to perform their duties?	Review established requirements and implementation of training on the concept of the Runway Condition Report (RCR) and the use of runway condition code (RWYCC).	STD A14 Vol. I, 2.9.4 PANS Doc 9981 (AGA) Part II, C2 Doc 10066 (AIM) App. 4 GM A14 Vol. 1, Att. A, Section 6 Cir 355		CE-6

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.145	Does the State ensure that aerodrome operators establish and implement procedures to assess and report runway surface condition through a runway condition code (RWYCC) and a description using the appropriate terms?	1) Evaluate mechanism to ensure establishment and effective implementation of aerodrome operator’s related procedures. 2) Review evidence to confirm.	STD A14 Vol. 1, 2.9.5 to 2.9.7 PANS Doc 9981 (AGA) Part II, C2 GM Doc 9774 3D.7 Doc 9137 Part 2, 2.1 Cir 355		CE-6
8.147	Does the State ensure that aerodrome operators have a process for determining and providing relevant information that a runway, or part of, may be slippery wet, and when the friction level of a paved runway or portion thereof is less than the minimum friction level specified by the State?	1) Review method used by aerodrome operators. 2) Review evidence to confirm effective implementation.	STD A14 Vol. I, 2.9.9, 2.9.10, 10.2.3 & 10.2.4 RP A14 Vol. I, 10.2.8 PANS Doc 9981 (AGA) Part II, C2 GM Cir 355		CE-7

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.148	Has the State established guidance for assessment and reporting of runway surface condition?	Review available guidance on the use of the Global Reporting Format (GRF) and runway condition code (RWYCC).	STD & RP A14 Vol. I, 2.9 PANS Doc 9981 (AGA) Part II, C2 GM A14 Vol. 1, Att. A, Section 6 Cir 355		CE-5
8.149	Has the State established procedures for the issuance of NOTAMs in relation to contaminants on a runway?	1) Review documentation verifying that procedures have been established to include an assessment of the surface condition of the aerodrome movement areas and its description, using appropriate terminology. 2) Review examples.	STD A15 C5 A14 Vol. I, 2.9.1 & 2.9.10 PANS Doc 9981 (AGA) Part II, C2 GM Doc 9774 3D.7 Cir 355		CE-5
8.151	Does the State ensure that aerodrome operators provide contact information and aerodrome’s capability for the removal of disabled aircraft?	1) Evaluate mechanism established to ensure effective implementation for providing: a) Contact details of appropriate aerodrome personnel. b) Information concerning the capability to remove disabled aircraft on or adjacent to the movement area. 2) Review evidence to confirm effective implementation.	RP A14, Vol. I, 2.10.1, 2.10.2 & 9.3.1 to 9.3.2		CE-6

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.153	Does the State ensure that aerodrome operators provide information concerning the level of protection available at an aerodrome for aircraft rescue and firefighting (RFF) purposes?	1) Confirm mechanism established to ensure effective implementation. 2) Review evidence to confirm.	STD A14 Vol. I, 2.11.1 RP A14 Vol. I, 2.11.2 PANS Doc 9981 (AGA) App. 1 to C2, Section 3.1	Yes	CE-6
8.155	Does the State ensure that aerodrome operators notify changes in the level of aircraft rescue and firefighting (RFF) protection normally available at an aerodrome to air traffic service (ATS) and AIS?	1) Confirm mechanism established to ensure effective implementation and method used by aerodrome operators to provide information on changes. 2) Ensure that possible changes include those related to availability of extinguishing agents, equipment to deliver agents or personnel to operate the equipment, etc. 3) Review examples.	STD A14 Vol. I, 2.11.3 RP A14 Vol. I, 2.11.4 GM Doc 9774 3D.7		CE-7
8.157	Does the State ensure that aerodrome operators make available information about visual approach slope indicator system installations?	1) Confirm mechanism established to ensure effective implementation and method used by aerodrome operators to provide information. 2) Review evidence to confirm (i.e. completeness and currency of the information published in the AIP).	STD A14 Vol. I, 2.12		CE-6

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.161	Does the aerodrome certification process include an assessment of the aerodrome physical characteristics, facilities, operational services and equipment to verify compliance with the specified standards and practices?	1) Review the assessment system, including a sample document that shows the assessment of the aerodrome physical characteristics, facilities and equipment as detailed in the ICAO reference documents. 2) Review evidence to confirm effective implementation. 3) Verify that, for non-compliances identified, safety assessments are duly conducted with associated risk mitigation measures, if necessary, to ensure an equivalent level of safety of aircraft operations.	GM Doc 9774 4.4.4 PANS Doc 9981 (AGA) 2.3.2.1 & App. 1 to C2	Yes	CE-6
8.162	Has the State promulgated regulations relating to the aerodrome physical characteristics?	Verify regulations, including the following areas specified in Annex 14 Vol. I: 1) Runways 2) Runway shoulders 3) Runway turn pads 4) Runway strips 5) Runway end safety areas 6) Clearways 7) Stopways 8) Radio altimeter operating area 9) Taxiways 10) Taxiway shoulders 11) Taxiway strips 12) Holding bays, runway-holding positions, intermediate holding positions and road-holding positions 13) Aprons 14) Isolated aircraft parking position 15) De-icing/anti-icing facilities	STD & RP A14 Vol. I, C3		CE-2

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.163	Does the State require and ensure the provision of runway end safety areas (RESA) at aerodromes?	1) Verify regulations. 2) Review evidence to confirm effective implementation at all aerodromes open to public use, including relevant information published in the AIP. 3) Evaluate the mechanism used by the State to ensure safety in the event of an aircraft overrunning or undershooting the runway, if RESA has not been provided.	STD A14 Vol. I, 3.5.1, 3.5.3 & 3.5.5 RP A14 Vol. I, 3.5.2, 3.5.4 & 3.5.6	Yes	CE-6
8.169	Are checklists provided to aerodrome inspectors during inspections of aerodrome physical characteristics, facilities, operational services, equipment and installations?	Review checklist or other method of documenting compliance.	PANS Doc 9981 (AGA) 2.3.2 & App. 1 to C2, Section 1 GM Doc 9774 4.4		CE-5
8.171	Whenever a change to the aerodrome physical characteristics, facilities or equipment is proposed, does the aerodrome regulatory authority ensure that the aerodrome operator has a procedure for evaluating the impact of this change on the safety of the existing operation?	1) Review established requirements. 2) Review procedures established. 3) Review evidence, including examples to confirm effective implementation.	STD A14 Vol. I, 1.4.4 PANS Doc 9981 (AGA) C2, 2.4.4		CE-7
8.172	Has the State promulgated regulations relating to the aerodrome electrical systems?	Verify regulations, including the following areas specified in Annex 14, Vol. I: 1) Electrical power supply systems for air navigation facilities. 2) System design. 3) Monitoring.	STD & RP A14 Vol. I, C8		CE-2

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.173	Does the State ensure that aerodrome operators comply with regulations for the provision of primary and secondary power supplies?	<p>1) Confirm mechanism established to ensure effective implementation.</p> <p>2) Confirm compliance with application and availability of secondary power supplies, characteristics and switch-over times.</p> <p>3) Verify if systems installed before November 1999, which do not meet switch over times specified in STD 8.1.5 of Annex 14, Vol. I, have been replaced.</p>	<p>STD & RP A14 Vol. I, 8.1 & 8.2 GM Doc 9157 Part 5</p>	Yes	CE-6
8.175	If the aerodrome operators use runways when runway visual ranges are less than 550 m, does the State ensure that the electrical systems are designed so that an equipment failure will not leave the pilot with inadequate visual guidance?	<p>1) Evaluate mechanism established to ensure effective implementation.</p> <p>2) Review evidence to confirm.</p>	<p>STD A14 Vol. I, 8.2.1 GM Doc 9157 Part 5</p>		CE-6
8.177	Where a runway forming part of a standard taxi-route is provided with runway lighting and taxiway lighting, does the State ensure that aerodrome electrical systems are interlocked to preclude the possibility of simultaneous operation of both forms of lighting?	<p>1) Evaluate mechanism established to ensure effective implementation.</p> <p>2) Review evidence to confirm.</p>	<p>STD A14 Vol. I, 8.2.3</p>		CE-6
8.179	Does the State ensure that aerodrome operators have a method to monitor lighting system reliability and indicate any fault, appropriate to the type and level of operations?	<p>1) Evaluate mechanism established to ensure effective implementation.</p> <p>2) Review evidence to confirm.</p> <p>3) Check during aerodrome industry visit.</p>	<p>STD & RP A14 Vol. I, 8.3 GM Doc 9157 Part 5</p>	Yes	CE-6

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.181	Has the State established and implemented coordinated arrangements among its aviation agencies, aerodrome regulatory authority and aerodrome operators in order to optimize civil aviation security measures in the State and ensure that international civil aviation security measures are integrated into the design and construction of aerodrome facilities?	<ol style="list-style-type: none"> 1) Review documented evidence of the arrangements. 2) Evaluate mechanism to ensure effective implementation. 3) Review examples. 	STD A14 Vol. I, 1.5		CE-6
8.182	Has the State promulgated regulations relating to aerodrome operational services, equipment and installations?	<p>Verify regulations, including the following areas specified in Annex 14 Vol. I:</p> <ol style="list-style-type: none"> 1) Aerodrome emergency planning 2) Rescue and firefighting (RFF) 3) Disabled aircraft removal 4) Wildlife strike hazard reduction 5) Apron management service 6) Ground servicing of aircraft 7) Aerodrome vehicle operations 8) Surface movement guidance and control systems (SMGCS) 9) Siting of equipment and installations on operational areas 10) Fencing 11) Security lighting. 	STD & RP A14 Vol. I, C9		CE-2
8.183	Does the State ensure that aerodrome operators comply with regulations for providing a fence or suitable barriers to aerodromes and off-aerodrome ground installations and facilities, including sewers, ducts and tunnels as well as the requirements for the lighting of security fences and barriers?	<ol style="list-style-type: none"> 1) Evaluate mechanism to ensure effective implementation at all designated aerodromes. 2) Should take into account any runways or taxiways which pass over public roads, and determination of studies when greater security is thought necessary. 3) Evaluate risk assessment conducted to determine portions of the fence to be lit. 4) Review evidence to confirm. 	STD & RP A14 Vol. I, 9.10 & 9.11		CE-6

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.191	Does the State ensure that aerodrome operators comply with the frangibility and height restriction requirements for equipment or installations located near or on a runway, on the non-graded portion of a runway strip, on precision approach runways, or for obstacles of operational significance?	1) Review mechanism to ensure effective compliance. 2) Review examples. 3) Confirm during aerodrome industry visit.	STD A14 Vol. I, 9.9 GM Doc 9157 Part 6	Yes	CE-6
8.201	Does the aerodrome certification process include an assessment of the aerodrome visual aids (e.g. lights, markings, markers and signs) and electrical systems?	1) Review system for evaluating location and characteristics of: <ul style="list-style-type: none"> a) Wind direction indicator and its illumination b) Information and mandatory signs in movement areas c) Aerodrome markings and markers d) Aeronautical ground lights, including their flight check records e) Approach lighting systems f) Visual approach slope indicator system g) Stop bar lights h) Apron flood lighting i) Electrical power supply systems for air navigation facilities k) Electrical system design and monitoring. 2) Review evidence to confirm effective implementation. 3) Verify that, for non-compliances identified, safety assessments are duly conducted with associated risk mitigation measures, if necessary, to ensure an equivalent level of safety of aircraft operations.	STD A14 Vol. I, C5 PANS Doc 9981 (AGA) 2.1.2.2 & 2.3.2.1 & App. 1 to C2 GM Doc 9774 4.4.4	Yes	CE-6

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.202	Has the State promulgated regulations relating to aerodrome visual aids for navigation and visual aids for denoting restricted use areas?	Verify regulations, including the following areas specified in Annex 14, Vol. I a) Indicators and signalling devices; b) Markings; c) Lights; d) Signs; e) Markers; and f) Denoting closed runways and taxiways, or parts thereof; non-load-bearing surfaces; pre-threshold area; and unserviceable areas.	STD & RP A14 Vol. I, C5 & C7		CE-2
8.204	Does the State ensure that aerodrome operators comply with requirements related to runway safety, including the establishment of a runway safety team?	1) Evaluate mechanism to ensure effective implementation. 2) Review evidence of a systematic approach to runway safety and collision avoidance strategy, e.g. establishment of runway safety teams.	PANS Doc 9981 (AGA) Part II, C8 GM A14 Vol. I, Att. A, Section 21.3 Doc 9870 C3	Yes	CE-6
8.209	Does the State ensure that aerodrome operators comply with the regulations for the provision of a surface movement guidance and control system (SMGCS) and that signs shall be provided to convey a mandatory instruction, information on a specific location or destination on a movement area?	1) Review established process and national requirements, taking into account the density of air traffic and the visibility conditions under which operations are intended. 2) Evaluate mechanism to ensure effective implementation. 3) Review evidence to confirm.	STD & RP A14 Vol. I, 5.4 & 9.8 GM Doc 9476		CE-6

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.211	Does the State ensure that stop bars are installed in accordance with the requirements and controlled by ATS?	<ol style="list-style-type: none"> 1) Evaluate mechanism to ensure effective implementation. 2) Ensure that it covers verification of: <ol style="list-style-type: none"> a) implementation of stop bars at all taxiways leading to runway operated with RVR below 550m; b) stop bars design and lights characteristics; c) the interlocking system between stop bars and taxiway centerline lights installed beyond; and d) the command system and its functioning. 3) Review evidence to confirm. 	STD & RP A14 Vol. I, 5.3.20		CE-6
8.215	At aerodromes where selective switching of stop bars and taxiway centre line lights is used for surface movement guidance and control system (SMGCS), does the State ensure the implementation of the requirements in accordance with ICAO Standards?	<ol style="list-style-type: none"> 1) Evaluate mechanism to ensure effective implementation and that it covers verification of: <ol style="list-style-type: none"> a) the interlocking system between stop bars and taxiway centerline lights installed beyond; and b) the command system and its functioning. 2) Review evidence to confirm. 	STD A14 Vol. I, 9.8.6		CE-6
8.219	Has the State promulgated a regulation for surface movement radar to be provided at aerodromes where there are movements of aircraft in visibilities of less than 350 m, and in other visibility conditions, where regularity of traffic cannot be maintained by alternative means?	Verify regulations.	STD & RP A14 Vol. I, 9.8.7 & 9.8.8 A11 3.10 Note GM Doc 9426 Part II, Section 5, C4		CE-2
8.221	Does the State ensure that an aerodrome's surface movement guidance and control system (SMGCS) is designed to assist in the prevention of inadvertent incursions of aircraft and vehicles onto an active runway or taxiway, and collisions on any part of the movement area?	<ol style="list-style-type: none"> 1) Review documented evidence of requirements. 2) Evaluate mechanism to ensure effective implementation. 3) Review evidence to confirm aerodrome operator's compliance with specifications of markings, lights and signs in Annex 14, Vol. I. 	STD & RP A14 Vol. I, 9.8.4 & 9.8.5 GM Doc 9476 Doc 9157 Part 4		CE-6

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.222	Has the State promulgated regulations relating to visual aids for denoting obstacles?	Verify regulations, including the following areas specified in Annex 14, Vol. I: 1) Objects to be marked and/or lighted, and 2) Marking and/or lighting of objects.	STD & RP A14 Vol. I, C6		CE-2
8.223	Does the State ensure that aerodrome operators/competent State authority comply with regulations relating to marking and lighting obstacles, both on the aerodrome and in the vicinity of aerodromes, which could otherwise present a hazard to aircraft?	1) Evaluate mechanism to ensure effective implementation. 2) Review evidence to confirm.	STD & RP A14 Vol. I, 6.1 & 6.2	Yes	CE-7
8.225	Does the State ensure that aerodrome operators develop and implement procedures to mark permanent and temporary movement area closures and meet location and characteristic specifications?	1) Evaluate mechanism to ensure effective implementation of procedures to: a) mark permanent and temporary movement area closures; and b) prevent aircraft from entering permanently closed runways and taxiways by removing lighting and obliterating normal markings. 2) Review evidence to confirm.	STD & RP A14 Vol. I, 7.1		CE-6
8.227	Does the State ensure that aerodrome operators use taxi side stripe markings on taxiways, runway turn pads, holding bays and aprons in order to distinguish non-load-bearing surfaces and unserviceable areas from load-bearing areas?	1) Evaluate mechanism to ensure effective implementation. 2) Review evidence to confirm.	STD A14 Vol. I, 7.2 RP A14 Vol. I, 7.2.2, 7.2.3, 9.8.4 & 9.8.5		CE-6

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.233	Does the State ensure that aerodrome operators/competent State authority comply with regulations on the requirement to extinguish, screen or otherwise modify non-aeronautical lights which could present a hazard to aircraft safety?	1) Evaluate mechanism to ensure effective implementation within and in the vicinity of aerodromes. 2) Review evidence to confirm.	STD A14 Vol. I, 5.3.1.1 to 5.3.1.3		CE-7
8.235	Does the State ensure that aerodrome operators comply with regulations related to the control of lighting intensity?	1) Evaluate mechanism to ensure effective implementation. 2) Review evidence to confirm. 3) Review how the State considers runway lighting systems as a whole.	STD A14 Vol. I, 5.3.1.9 to 5.3.1.12 PANS Doc 9981 (AGA) App. 1 to C2, Section 2.1 GM Doc 9157 Part 4		CE-6
8.239	If the aerodrome uses the 30 m spacing option for the provision of runway centre line lights, does the State ensure the implementation of requirements which specify related maintenance objectives and which call for a demonstration of conformance with them?	1) Evaluate mechanism to ensure effective implementation. 2) Review evidence to confirm. 3) Review results of demonstrations of conformance with Standards 10.5.7 and 10.5.11 of Annex 14, Vol. 1, if applicable.	STD A14 Vol. I, 5.3.12.5		CE-6
8.245	Does the State ensure the implementation of requirements for the provision of visual docking guidance systems, in accordance with Annex 14, Vol I specifications, including evaluation, location, characteristic specifications, and azimuth and stopping guidance?	1) Evaluate mechanism to ensure effective implementation, if applicable. 2) Review evidence to confirm.	STD & RP A14 Vol. I, 5.3.25		CE-6

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.251	Does the State ensure that aerodrome operators develop and implement aerodrome maintenance programmes at all aerodromes in the interests of safety, efficiency and regularity of aircraft operations?	1) Evaluate mechanism to ensure effective implementation. 2) Review evidence to confirm.	STD A14 Vol. I, 10.1.1 RP A14 Vol. I, 10.1.2 PANS Doc 9981 (AGA) 2.1.2; App. 1 to C2, Section 3.1		CE-6
8.252	Has the State promulgated regulations relating to aerodrome maintenance?	Verify regulations, including the following areas specified in Annex 14, Vol. I: 1) General 2) Pavements 3) Removal of contaminants 4) Runway pavement overlays 5) Visual aids.	STD & RP A14 Vol. I, C10		CE-2
8.253	Does the State ensure that the aerodrome operators' maintenance programme include precautions for runway, taxiway and apron pavements and taxiway shoulders in relation to surface debris and regularity?	1) Evaluate mechanism to ensure effective implementation of precautionary measures. 2) Review method used to assess runway surface irregularities. 3) Review evidence to confirm.	STD A14 Vol. I, 10.2.1 & 10.2.2 GM A14 Vol. 1, Att. A, Section 5 Doc 9157 Part 2		CE-6

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.255	Has the State promulgated regulations for the measurement of runway friction characteristics?	<ol style="list-style-type: none"> 1) Verify regulations. 2) Review specified minimum maintenance level. 	STD A14 Vol. I, 10.2.3 to 10.2.7 RP A14 Vol. I, 3.1.24 & 3.7.4 & 10.2.8		CE-2
8.257	Has the State established and implemented a mechanism to ensure that aerodrome operators maintain good friction characteristics and low rolling resistance on runways?	<ol style="list-style-type: none"> 1) Evaluate mechanism to ensure effective implementation. 2) Review method used for timely removal of contaminants, such as rubber deposit, standing water, snow, sand, etc. 3) Review recorded friction results to confirm that frequency of measurements and method used are appropriate to the level of activity of the runway. 	STD A14 Vol. I, 10.2.3 to 10.2.7 & 10.3.1 GM Doc 9137 Part 2		CE-7
8.259	Does the State ensure that aerodrome operators: <ol style="list-style-type: none"> a) define maintenance performance level objectives for visual aids as part of their preventive maintenance programme, and b) restrict construction or maintenance activities in the proximity of aerodrome electrical systems during low visibility operations? 	<ol style="list-style-type: none"> 1) Evaluate mechanism to ensure effective implementation. 2) Review copies of maintenance schedules and associated check/inspection results which demonstrate compliance (e.g. stop bars or taxiway lights). 3) Definition of when a light is deemed to be unserviceable. 	STD A14 Vol. I, 10.5.1, 10.5.2 & 10.5.7 to 10.5.12 RP A14 Vol. I, 10.5.3 to 10.5.6 & 10.5.13 PANS Doc 9981 (AGA) App. 1 to C2, Section 2.1	Yes	CE-6

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.273	Does the State ensure that aerodrome operators implement the requirements that runway strips are free of objects unless they are needed for air navigation purposes and meet frangibility requirements?	1) Evaluate mechanism to ensure effective implementation. 2) Review evidence to confirm, i.e. inspection reports; completed checklists.	STD A14 Vol. I, 3.4.7 RP A14 Vol. I, 3.4.6 PANS Doc 9981 (AGA) App. 1 to C2, 2.1; App. to C4, 2.5.2 GM Doc 9774 App. 1, 4.13		CE-7
8.275	Has the State promulgated regulations relating to obstacle restriction and removal on and around aerodromes?	Verify regulations, including the following areas specified in Annex 14, Vol. I: 1) Obstacle limitation surfaces 2) Obstacle limitation requirements 3) Objects outside the obstacle limitation surfaces 4) Legislative provisions addressing obstacle restriction outside aerodromes.	STD & RP A14 Vol. I, C4	Yes	CE-1
8.277	Does the State ensure the implementation of requirements relating to the group of obstacle limitation surfaces (OLS) at and around aerodromes?	1) Review established process. 2) Verify that OLS plan is established for each designated aerodrome. 3) Review evidence to confirm effective and comprehensive implementation of the: a) Identification mechanism. b) Appropriate promulgation mechanism. c) Removal mechanism.	STD A14 Vol. I, 4.1 & 4.2 PANS Doc 9981 (AGA) 2.4.5 & 2.5.1.2 GM Doc 9137 Part 6, 1.1.3	Yes	CE-7

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.279	Has the State established and implemented a process to ensure that the siting or performance of visual and non-visual aids to navigation is not adversely affected by objects under the approach surface?	<ol style="list-style-type: none"> 1) Review documented evidence of the established process. 2) Evaluate mechanism to ensure effective implementation. 3) Review evidence to confirm. 	RP A14 Vol. I, 4.4.1 & 4.4.2		CE-7
8.281	Does the State provide sufficient guidance to regulatory staff and the industry on obstacle control?	Review available guidance documents.	STD A14 Vol. 1, C4 GM Doc 9734 Part A, C3 Doc 9774 App 1, 4.13		CE-5
8.283	When new construction above, beyond or outside the obstacle limitation surfaces (OLS) is proposed, does the State require and ensure coordination between the land-use authorities and the appropriate aviation interests?	<ol style="list-style-type: none"> 1) Review established process in use. 2) Review evidence to confirm effective implementation. 	RP A14 Vol. I, 4.3.1 & 4.3.2		CE-7
8.287	Does the State ensure that aerodrome operators control the use of vehicles on aerodromes, including the restriction on the use of airside roads?	<ol style="list-style-type: none"> 1) Evaluate mechanism to ensure effective implementation. 2) Verify the implementation of the requirements for drivers to: <ol style="list-style-type: none"> a) Be appropriately trained. b) Comply with all mandatory or authorized instructions conveyed by markings, signs or lights when on the manoeuvring area or apron. 	STD A11 3.8 A14 Vol. I, 9.7 PANS Doc 9981 (AGA) 2.1.2.2; Att. A to C2 & Att. C to C2, 5.11 GM Doc 9774 App. 1, 4.2 Doc 9870		CE-6

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.291	Does the State ensure that aerodrome operators/competent State authority develop emergency plans, including appropriate cooperation and coordination with other entities involved in the provision of emergency services and the development of the plans?	1) Review evidence to confirm effective implementation, cooperation and coordination. 2) Sample aerodrome emergency plan. 3) Check inclusion of: a) emergencies which may occur in the vicinity of an aerodrome, and b) public health emergencies, including coordination with public health services.	STD A14 Vol. I, 9.1.1 to 9.1.3 RP A14 Vol. I, 9.1.4 & 9.1.5 PANS Doc 9981 (AGA) 2.1.2.2; Att. A to C2 & Att. C to C2, 5.3 GM Doc 9774 App. 1, 4.3		CE-6
8.293	Does the State ensure compliance with requirements for the periodic testing and review of aerodrome emergency plans?	1) Review evidence to confirm effective implementation. 2) Check during aerodrome industry visit.	STD A14 Vol. I, 9.1.12 & 9.1.13 PANS Doc 9981 (AGA) 2.1.2.2; Att. A to C2 & Att. C to C2, 5.3 GM Doc 9774 App. 1, 4.3		CE-7
8.297	Does the State ensure the implementation of requirements for the availability and coordination of specialist rescue services to be included in the emergency plans of aerodromes close to water, swampy areas or difficult terrain?	Review documented evidence of a typical emergency plan for an aerodrome with a water/swampy area/difficult terrain, showing inclusion of the items in the notes to the SARPs, as well as the testing and assessment of response.	STD A14 Vol. I, 9.1.14 RP A14 Vol. I, 9.1.15 & 9.1.16		CE-6

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.299	Does the State ensure the implementation of requirements for the establishment and manning of emergency operations centres and mobile command posts, and for communication between them?	1) Review documented evidence of the requirements. 2) Evaluate mechanism to ensure effective implementation. 3) Review evidence to confirm.	RP A14 Vol. I, 9.1.7 to 9.1.11		CE-6
8.301	Does the State ensure the implementation of requirements for the provision of rescue and firefighting (RFF) services at all aerodromes, which takes into account the aerodrome location and the surrounding terrain?	1) Evaluate mechanism used to ensure effective implementation, including for aerodromes located close to water/swampy areas. 2) Check during aerodrome industry visit.	STD A14 Vol. I, 9.2.1 & 9.2.2		CE-7
8.303	Has the State promulgated regulations in accordance with Annex 14 for the determination of rescue and firefighting (RFF) services to be provided at an aerodrome?	Verify regulations.	STD A14 Vol. I, 9.2.3 & 9.2.5 to 9.2.7 RP A14 Vol. I, 9.2.4	Yes	CE-2
8.305	Has the State established and ensured implementation of rescue and firefighting (RFF) extinguishing agent specifications, including quantities and discharge rates?	1) Verify extinguishing agent specification requirements. 2) Review evidence to confirm effective implementation.	STD A14 Vol. I, 9.2.11, 9.2.13, 9.2.14 9.2.18 & 9.2.19 RP A14 Vol. I, 9.2.8 to 9.2.10, 9.2.15 to 9.2.17 & 9.2.20 to 9.2.25	Yes	CE-7

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.307	Has the State promulgated and ensured implementation of regulations prescribing the minimum number of rescue and firefighting (RFF) vehicles, together with the associated building facilities and their location?	<ol style="list-style-type: none"> 1) Verify regulations. 2) Review evidence to confirm effective implementation. 3) Check during aerodrome industry visit. 	RP A14 Vol. I, 9.2.37, 9.2.38 & 9.2.41	Yes	CE-7
8.309	Does the State ensure that aerodrome operators provide a discrete communication system and an alerting system among vehicles, fire stations and aerodrome control towers?	<ol style="list-style-type: none"> 1) Evaluate mechanism to ensure effective implementation. 2) Review evidence to confirm. 	RP A14 Vol. I, 9.2.39 & 9.2.40		CE-6
8.311	Has the State established and implemented a mechanism to ensure the implementation of requirements for minimum response times by the rescue and firefighting (RFF) services?	<ol style="list-style-type: none"> 1) Evaluate mechanism to ensure effective implementation. 2) Review audit reports to confirm. 3) Check during aerodrome industry visit. 	STD A14 Vol. I, 9.2.27 & 9.2.31 RP A14 Vol. I, 9.2.28 to 9.2.30, 9.2.32 & 9.2.33 PANS Doc 9981 (AGA) 2.2 & Att. C to C2, 5.4	Yes	CE-7
8.313	Does the State ensure that emergency access roads are provided at aerodromes?	<ol style="list-style-type: none"> 1) Evaluate mechanism to ensure effective implementation. 2) Check during aerodrome industry visit. 	RP A14 Vol. I, 9.2.34 to 9.2.36 PANS Doc 9981 (AGA) App. 1 to C2, 2.2		CE-6

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.315	Does the State ensure that aerodrome operators provide training for firefighting personnel, including live fire drills?	<ol style="list-style-type: none"> 1) Verify national RFF training requirements. 2) Review evidence to confirm effective implementation. 3) Verify oversight of training and its assessment, including appropriate training for pressure-fed fuel fires and breathing apparatus, as applicable. 4) Sample training records and audit reports. 5) Check during aerodrome industry visit. 	STD A14 Vol. I, 9.2.42 & 9.2.43		CE-7
8.317	Does the State ensure that all responding firefighting personnel are equipped with the necessary protective clothing and respiratory equipment?	<ol style="list-style-type: none"> 1) Review documented evidence of the available equipment. 2) Confirm that the State has effective oversight of this provision. 3) Check during aerodrome industry visit. 	STD A14 Vol. I, 9.2.46 PANS Doc 9981 (AGA) App. 1 to C2, 2.2		CE-7
8.319	Does the State ensure that there are sufficient trained personnel to operate all the necessary RFF equipment at maximum capacity, meet the minimum response times and maintain continuous agent application at the appropriate rate?	<ol style="list-style-type: none"> 1) Review established RFF staffing requirements. 2) Review evidence to confirm effective implementation. 3) Check during aerodrome industry visit. 	RP A14 Vol. I, 9.2.44 & 9.2.45 PANS Doc 9981 (AGA) App. 1 to C2, 2.2		CE-7

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.321	Does the State ensure that the aerodrome has plans for the removal of disabled aircraft, including arrangements for designation of coordinators, the rapid availability and deployment of salvage and removal equipment between aerodromes, and the protection of evidence, custody and the removal of aircraft in accordance with Annex 13?	1) Review documented evidence of a typical plan for the removal of disabled aircraft, including coordination functions. 2) Confirm during aerodrome industry visit.	RP A14 Vol. I, 9.3.1 & 9.3.2 A13 C3 PANS Doc 9981 (AGA) 2.1.2.2; App. 1 to C2, 3.1; Att. A to C2 & Att. C to C2, 5.14 GM Doc 9774 App. 1, 4.14 Doc 9137 Part 5		CE-6
8.323	Does the State ensure that aerodrome operators establish and implement procedures for the timely removal of contaminants?	1) Evaluate mechanism to ensure effective implementation, if applicable. 2) Review evidence to confirm.	STD A14 Vol. I, 10.3.1 & 10.3.6 RP A14 Vol. I, 10.3.2 to 10.3.5 PANS Doc 9981 (AGA) Part II, C8	Yes	CE-6
8.328	Has the State developed industry guidance material to assist aerodrome operators to develop a wildlife (birds and animals) strike hazard study or assessment for each of their aerodromes?	Confirm industry guidance material available for the study or assessment, including, among others: a) a national procedure for recording wildlife strikes; and b) analysis of collected data.	STD A14 Vol. I, 9.4.1		CE-5

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.329	Does the State collect and forward wildlife strike reports to ICAO?	1) Review national procedure for recording wildlife strikes. 2) Review established requirements. 3) Evaluate mechanism to ensure effective implementation of the reporting and rectification action. 4) Review evidence to confirm.	STD A14 Vol. I, 9.4.2		CE-8
8.331	Does the State ensure that aerodrome operators take appropriate action to decrease the hazard of wildlife strikes?	1) Evaluate mechanism to ensure effective implementation. 2) Check action taken by aerodromes operators.	STD A14 Vol. I, 9.4.3 PANS Doc 9981 (AGA) App. 1 to C2, 2.3 GM Doc 9774 2.2 d)		CE-6
8.333	Has the State promulgated regulations to: a) require a wildlife (birds and animals) strike hazard study or assessment for each of its aerodromes, and b) control the development of facilities likely to attract wildlife on or in the vicinity of an aerodrome?	1) Verify regulations. 2) Verify their promulgation at a level ensuring their enforceability on third parties, including land use and local authorities.	STD A14 Vol. I, 9.4.1 & 9.4.4 RP A14 Vol. I, 9.4.5 GM Doc 9774 App. 1, 4.12		CE-1
8.335	Has the State established and implemented a process to mitigate against an increase or potential increase in the wildlife strike hazard due to land use development likely to attract wildlife around an aerodrome?	1) Review established process which demonstrates a priority given to safety. 2) Review evidence to confirm effective implementation.	STD & RP A14 Vol. I, 9.4		CE-8

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.337	Has the State promulgated a regulation to require aerodrome operators' apron management services to ensure the safety of aircraft operations on apron areas?	Verify regulations.	STD A14 Vol. I, 9.5		CE-2
8.339	If apron management services are provided, has the State established guidance on when and how these services should be implemented, including the orderly transition of aircraft between the apron management unit and the aerodrome control tower when the latter does not participate in the apron management service?	Review documented guidance.	RP A14 Vol. I, 9.5.1 & 9.5.2		CE-5
8.341	If an apron management service is not provided, does the State ensure the safety of aircraft operations on apron areas, considering the movement of vehicles?	1) Evaluate mechanism to ensure control of vehicle movement for safety of aircraft. 2) Review evidence to confirm effective implementation.	STD & RP A14 Vol. I, 9.5 PANS Doc 9981 (AGA) Att. A to C2 & Att. C to C2, 5.9		CE-7
8.345	Does the State ensure that aerodrome operators restrict the operation of personnel and vehicles on an apron during low visibility operations?	1) Evaluate mechanism to ensure effective implementation. 2) Review evidence to confirm.	STD A14 Vol. I, 9.5.4 PANS Doc 9981 (AGA) App. 1 to C2, 3.1 & Att. C to C2, 5.16	Yes	CE-6

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.347	Does the State ensure that aerodrome operators provide for visual monitoring of aircraft stand clearances and the control of vehicle movement on aprons?	Review evidence to confirm effective implementation.	STD A14 Vol. I, 9.5.5, 9.5.6 & 9.5.7 A11 3.8.3		CE-6
8.349	Has the State established and implemented a mechanism to ensure the availability of fire extinguishing equipment and trained personnel during ground servicing of aircraft?	Review evidence to confirm effective implementation, including the availability of personnel trained for its use.	STD A14 Vol. I, 9.6.1		CE-7
8.365	Has the State promulgated and ensured implementation of a regulation to require aerodrome operators to ensure that organizations performing activities at the aerodrome comply with the aerodrome safety requirements?	1) Verify regulations. 2) Review documented evidence to confirm effective implementation (i.e. a monitoring system used by an aerodrome, as expressed in a procedure in an aerodrome manual).	PANS Doc 9981 (AGA) 2.4.2 & 2.4.6 GM Doc 9774 3D.4.2 & App. 1, Part 5		CE-6
8.367	Has the State promulgated a regulation which defines the circumstances and rationale for the conduct of aeronautical studies/risk assessments?	Verify regulations.	GM Doc 9774 C3, 3.2, Section E & App. 3 Doc 9734 Part A, C3		CE-2

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.369	Has the State developed and issued guidance on the use and evaluation of aeronautical studies/risk assessments and their review to justify an application for an exemption?	1) Review guidance documents for the conduct and evaluation of aeronautical studies/risk assessments for aerodrome operators and regulatory staff. 2) Verify that the process by which aeronautical studies/risk assessments are applied include: a) A regular review of exemptions granted to assess their continued validity. b) A review of exemptions, which are to be issued, against the applicable SARP to determine if a change in the notification status of differences to SARPs should be filed.	PANS Doc 9981 (AGA) 2.4.4 & C3 (3.4 & 3.5) GM Doc 9774 C3, 3.2, Section E & App. 3 Doc 9734 Part A, C3		CE-5
8.375	Has the State established and implemented a mechanism to assess the outcomes of the conduct of risk assessments or aeronautical studies?	1) Review established mechanism. 2) Review documented outcomes of their conduct which shows how they meet State safety policies and processes, particularly where an equivalent level of safety to the Standards and Recommended Practices is claimed. 3) Review examples.	PANS Doc 9981 (AGA) Section 3.5 GM Doc 9774 C3, 3.2, Section E & App. 3		CE-7
8.377	Does the State ensure that the outcomes of risk assessments or aeronautical studies, in the form of exceptions, are published in a document which is publicly accessible, such as the State AIP?	Review copy of the published document and, if not the AIP, how accessible it is.	PANS Doc 9981 (AGA) Section 3.6 GM Doc 9774 C3, 3.2, Section E & C4, 4.6 & App. 3 Doc 9734 Part A, C3		CE-8

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.381	Has the State promulgated regulations for the measurement and reporting to AIS of geographical coordinates for obstacles?	Verify regulations.	STD A14 Vol. II, 2.4.5		CE-2
8.383	Has the State promulgated regulations for final approach and take-off areas (FATOs) for helicopters?	Verify regulations.	STD A14 Vol. II, 3.1.1		CE-2
8.385	Does the State ensure the implementation of requirements for safety areas surrounding final approach and take-off areas (FATOs) for helicopters?	1) Evaluate mechanism to ensure effective implementation. 2) Sample inspection/audit reports to confirm effective implementation.	STD A14 Vol. II, 3.1.14	Yes	CE-7
8.387	Does the State ensure the implementation of requirements relating to the obstacle limitation surfaces (OLS) and sectors?	1) Review established requirements. 2) Evaluate mechanism to ensure effective implementation. 3) Sample inspection/audit reports to confirm effective implementation.	STD A14 Vol. II, 4.1	Yes	CE-7
8.389	Does the State ensure the implementation of requirements for wind direction indicators and approach lighting at heliports, including characteristics and location?	1) Review established requirements. 2) Evaluate mechanism to ensure effective implementation. 3) Sample inspection/audit reports to confirm effective implementation.	STD A14 Vol. II, 5.1.1 & 5.3.3.2 RP A14 Vol II, 5.3.3.1		CE-7
8.393	Does the State ensure the implementation of requirements for touchdown and lift-off area lighting systems at heliports, including characteristics and location?	1) Review established requirements. 2) Evaluate mechanism to ensure effective implementation. 3) Sample inspection/audit reports to confirm effective implementation.	STD & RP A14 Vol. II, 5.3.8		CE-7

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.395	Does the State ensure the implementation of requirements for visual approach slope indicators at heliports?	1) Review established requirements. 2) Evaluate mechanism to ensure effective implementation. 3) Sample inspection/audit reports to confirm effective implementation.	STD & RP A14 Vol. II, 5.3.5		CE-7
8.401	Has the aerodrome regulatory authority developed and implemented procedures for the continuing surveillance of aerodrome certificate holders?	1) Review developed procedures and checklists for guidance on how to conduct aerodrome surveillance activities, from notifying the aerodrome operator to the closure of deficiencies noted during the activities. 2) Review duly completed checklists and examples to confirm effective implementation.	PANS Doc 9981 (AGA) 2.5 GM Doc 9734 Part A, C3 Doc 9774 5.2.3 & 5.2.5	Yes	CE-7
8.403	Has the aerodrome regulatory authority developed and implemented a formal surveillance programme for the continuing supervision of the operations conducted by aerodrome operators?	1) Review surveillance programme/plan of previous and current year. 2) Confirm appropriate frequency of inspection or other activity. 3) Confirm inclusion of periodic and non-periodic audits and inspections. 4) Surveillance to include all aspects of the certification and operation of an aerodrome.	PANS Doc 9981 (AGA) 2.5 GM Doc 9734 Part A, C3 Doc 9774 C2, 2.2 (d); C3, 3.2, Section D, 3D.6, & C5, 5.2.3 & 5.2.5		CE-7

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.405	Does the renewal or continuing validity of aerodrome certificates depend on the satisfactory outcome of regulatory surveillance activities?	<ol style="list-style-type: none"> 1) Review established requirement. 2) Confirm evidence that surveillance results determine continued validity of the certificate. 3) Verify that the State conducts at least one surveillance activity within a predetermined period of time (e.g. 2 or 3 years), covering all areas addressed during the initial certification process. 	PANS Doc 9981 (AGA) 2.3.6.3, 2.3.6.4 & 2.5 GM Doc 9734 Part A, C3 Doc 9774 2.2 d) & 5.2.3		CE-8
8.409	Does the State enable the exchange of safety information across the aerodrome industry?	Review the following evidence to confirm effective implementation: <ol style="list-style-type: none"> 1) Analysis of aerodrome and State databases, 2) Safety information, bulletins and publications, and 3) Industry meetings, seminars or workshops. 	PANS Doc 9981 (AGA) 2.4.3 GM Doc 9774 App. 1, Part 5		CE-8
8.411	Has the aerodrome regulatory authority developed and implemented procedures to deal with deficiencies found during aerodrome surveillance activities?	<ol style="list-style-type: none"> 1) Review procedure for notifying aerodrome operators of identified deficiencies, including categorization of seriousness of deficiency and deadline for correction. 2) Review evidence to confirm effective implementation. 	PANS Doc 9981 (AGA) 2.5.6, 2.5.7 & 2.5.8 GM Doc 9734 Part A, C3 Doc 9774 2.3 & 5.2.5	Yes	CE-8
8.413	Has the aerodrome regulatory authority developed and implemented a process to take actions, including enforcement, if deficiencies found during surveillance activities are not rectified within a reasonable time by the aerodrome operator?	<ol style="list-style-type: none"> 1) Review examples of deficiencies identified and follow-up actions taken to ensure timely resolution. 2) Review examples of enforcement action, if any. 	PANS Doc 9981 (AGA) 2.5.7 & 2.5.8 GM Doc 9734 Part A, C3 Doc 9774 2.3 & 5.2.5	Yes	CE-8

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	PPQ	CE
8.415	Has the State established and implemented a process for the management of conflicts between land use or environmental requirements and aviation authorities to ensure that aviation safety is not compromised?	1) Review documented process. 2) Review evidence, if available, to confirm effective implementation. 3) Confirm priority given to safety in sample cases, if available.	STD A16 Vol. I, Part V RP A14 Vol. I, 3.1.2 & C4 GM Doc 9734 Part A, C2 & C3 Doc 9774 4.3.2 & 4.3.3		CE-8

— END —



Roll-out of the State Safety Programme Implementation Assessments (SSPIAs) phase 2 under the USOAP CMA

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OUTLINE

- 1) ICAO activities in support of safety management implementation
- 2) SSPIAs under phase 2
- 3) SSP-related PQs
- 4) Maturity levels
- 5) Associated guidance material
- 6) Training of ICAO SSP implementation assessors



ICAO activities in support of safety management implementation

YEAR	2016 - 2019	2020 - 2022	2023 - 2026
ICAO SM Provisions	<p>A19 1st Ed, Applicable <i>14 Nov 2013</i></p> <p>A19 Amdt 1 Adopted <i>2 Mar 2016</i></p> <p>A19 Amdt 1 Effective <i>11 Jul 2016</i></p> <p>Safety Management Implementation Website <i>Oct 2017</i></p> <p>SMM 4th Ed <i>Oct 2018</i></p> <p>A19 Amdt 1 Applicable <i>7 Nov 2019</i></p>	<p>A19 Amdt 2 SMP Proposal <i>Q4 - 2021</i></p> <p>A19 Amdt 2 Preliminary Review <i>Q1 - 2022</i></p>	<p>A19 Amdt 2 Final Review <i>Q2 - 2023</i></p> <p>A19 Amdt 2 Adopted <i>Q1 - 2024</i></p> <p>SMM 5th Ed adv unedited <i>Q1 - 2024</i></p> <p>A19 Amdt 2 Effective <i>Q3 - 2024</i></p> <p>SMM 5th Ed published <i>Q3 - 2024</i></p> <p>A19 Amdt 2 Applicable <i>Q2/2026</i></p>
SM Capacity Building & Tools	<p>SM for Practitioners (SMxP) (TRAINAIR Plus) <i>May 2016</i></p> <p>4 SM Regional Monitoring with workshops <i>2017 & 2018</i></p> <p>SSP Foundation Tool <i>May 2017</i></p> <p>Safety Info Monitoring System (SIMS) <i>May 2017</i></p> <p>Aviation Data-driven Decision-making Course (AD3M) <i>July 2018</i></p> <p>Updated SSP Gap Analysis Tool and Safety Risk Based Surveillance (SRBS) Tool for AOCs <i>June 2018</i></p> <p>SM Capacity Building Workshops <i>7 delivered in 2019</i></p> <p>Safety Info Monitoring System (SIMS) workshops <i>7 delivered in 2019</i></p> <p>SM Online Course <i>June 2019</i></p> <p>Safety Intelligence Capacity Building Workshops² <i>March 2019 - ongoing</i></p>	<p>SSP Classroom Course <i>Jan 2020</i></p> <p>SRM Fundamentals Virtual Classroom Course <i>September 2020</i></p> <p>Management of Change Promotional Video <i>Feb 2021</i></p> <p>SSP Virtual Classroom Course <i>Q1 2021</i></p> <p>COVID-19 Aviation Safety Risk Management Virtual Course <i>May 2020</i></p> <p>SRBS Tool for AMOs <i>July 2020</i></p> <p>COVID-19 SRM initiatives¹ <i>Q2/Q3-2020</i></p> <p>Safety information sharing regional project <i>Q1 2021</i></p> <p>Safety Information Protection Online Course <i>Q1 2021</i></p> <p>SMS Assessment & Monitoring Classroom Course <i>Q1 2022</i></p>	
USOAP CMA	<p>No audits on the “new questions on safety management”. Only voluntary assessments using these PQs³</p> <p>Doc 9734 Part A, 3rd Ed. <i>Dec 2017</i></p> <p>Amended SSP PQs <i>Jun 2018</i></p> <p>SSP implementation assessments on selected⁴ States using amended SSP PQs <i>Nov 2018</i></p>	<p>Publication of SSP-related PQs associated maturity levels matrices (SSP implementation assessment tool) <i>Dec 2020</i></p> <p>Phase 2 SSP implementation assessments using SSP implementation assessment tool.⁵ <i>Jan 2021+</i></p> <p>SSP implementation assessment workshop <i>May 2021</i></p>	
GASP Objectives	<p>Endorsed at A38 GASP 2014-2016 All States > 60% EI to implement SSP by end of 2017</p> <p>Endorsed at A39 GASP 2017-2019 All States implement SSP by end of 2022</p>	<p>Endorsed at A40 GASP 2020-2022 Goal 3: Implement effective State safety programmes (SSPs) Target 3.1: By 2022, all States to implement the foundation of an SSP Target 3.2: By 2025, all States to implement an effective SSP, as appropriate to their aviation system complexity</p>	<p>To be endorsed at A41 GASP 2023-2025</p> <p>To be endorsed at A42 GASP 2026-2029</p>
ICAO Events	<p>A38 <i>Sep 2013</i></p> <p>A39 <i>Oct 2016</i></p> <p>A40 <i>Sep 2019</i></p> <p>13th AN Conf <i>Oct 2018</i></p>	<p>High Level Conference <i>Oct 2021</i></p> <p>Management of Change Summit* <i>March 2022</i></p> <p>A41 <i>Sep 2022</i></p>	<p>A42 <i>Q3 - 2025</i></p>

¹ This includes workshops related Safety Information Monitoring Systems (SIMS), Safety Data Collection and Processing Systems (SDCPS) and Safety Performance Indicators (SPIs).

² Initiatives include Handbook for CAAs on the Management of Aviation Safety Risks related to COVID-19 (Doc 10144); Development of COVID-19 Aviation Safety Risk Management (ASRM) implementation Package (iPack), Dedicated page on SMI website related to COVID-19 (icao.int/SMI-COVID-19SRM)

³ Confidential and on cost-recovery basis

⁴ By mutual agreement – non confidential assessments

⁵ Criteria to be established by ICAO in line with GASP



SSPIAs under phase 2



- Reflect the maturity levels the State’s has achieved in its SSP implementation and maintenance.
- Maturity levels are determined separately for each PQ (there is no “overall area maturity level”, nor “overall SSP maturity level”).
- Complement, and do not impact, the State’s Effective Implementation (EI) score.
- Do not generate findings.
- Do not require the State to submit a “corrective action plan” (CAP).
- Are conducted by a limited pool of assessors, to ensure consistency.
- Will be accompanied by a traditional USOAP CMA activity (i.e. focused audit)



Criteria to prioritize the scheduling of SSPIAs:

- Level of implementation of SSP Foundation PQs and evidence of:
 - A robust and sustainable safety oversight system and aircraft accident/serious incident investigation system; and
 - An effective mandatory safety reporting system, State aircraft accident and incident database and safety analyses; and
- Effective completion and updates of PQ self-assessment by the State (for all PQs, including SSP-related PQs).



SSP-related PQs



- Reflect Annex 19 Amdt 1, SMM 4th edition and lessons learnt from voluntary assessments conducted.
- Form a dedicated list of PQs (complementing the PQs on “core” safety oversight and investigation functions).
- Are not linked to Critical Elements (CEs), but to applicable SSP components (e.g. State safety policy and objectives, State Safety Risk Management, State Safety Assurance and State Safety Promotion).
- Are not assessed as “satisfactory/non-satisfactory”, but in terms of *maturity levels*.
- Are supported by references from ICAO manuals.
- Are broken down into 8 areas:
GEN (SSP general aspects), SDA (safety data analysis – general aspects),
PEL (ATO aspects only), OPS, AIR (AMO aspects only), ANS (ATS aspects only), AGA
and AIG.



The amended SSP-related PQs have as a ‘background’ the following key questions related to SSP implementation:

- What are the State’s main/top safety risks?
- How does the State know it?
- What is the State doing about it?
- Is it working?



SSP-related PQs associated maturity levels



- 5 maturity levels have been determined:
 - 0: *not present and not planned;*
 - 1: *not present but being worked on;*
 - 2: *present;*
 - 3: *present and effective;*
 - 4: *present and effective for years and in continuous improvement*
- The assessment is made separately for each PQ, for each assessed area.
- Determination of the overall PQ maturity level is made by assessing every item in that same level.
- A higher maturity level can only be assessed upon the fulfillment of the corresponding items in the previous maturity level (i.e. in order to be further assessed for “*present and effective*” the PQ first needs to meet the criteria for “*present*”).
- “*Present and effective for years and in continuous improvement*” is only applicable upon a State’s 2nd SSPIA.



PQ No.	Protocol Question	References in ICAO Guidance Material	SSP Component	Maturity Levels			
				Not Present and Not Planned	Not Present but Being Worked On	Present	Present and Effective
SSP.GEN.06	How does the State determine the SSP-related training needs at all levels of the organization to ensure that personnel of the State authorities involved in SSP implementation are qualified and competent to perform their functions and responsibilities?	SMM 8.3.7	State Safety Policy, Objectives and Resources	Based on current situation in State	Based on State's work in progress	<p>1. SSP-related training programme has been developed, including a training needs analysis (TNA) to determine the relevant training needs of each pertinent State authority.</p> <p>2. Where appropriate, a competency-based approach is applied to address K/S/A (knowledge/skills/attitude) requirements.</p> <p>3. The SSP-related training programme caters to the different safety management training needs of different personnel, based on their duties and responsibilities (i.e. inspectorate, data analysts, mid-level management, top management, legal department, AIA, Military, etc.).</p>	<p>1. Competency based training (K/S/A) for each relevant authority is clearly defined, reviewed regularly, and customized for the personnel based on their respective duties and responsibilities.</p> <p>2. The SSP training plan is formalized and implemented.</p> <p>3. The mechanism to ensure the competency of personnel is applied.</p>



Associated guidance material



Issues	Guidance Material
SSP-related PQs and associated maturity levels	SMM, 4 th edition
Core “safety-oversight and investigation” aspects	<i>Doc 9734 — Safety Oversight Manual, Part A — The Establishment and Management of a State Safety Oversight System</i>
Methodology for preparation, conduct and reporting of SSP implementation assessments	Existing internal process + guidance to be included in the next edition of Doc 9735 — <i>Universal Safety Oversight Audit Programme Continuous Monitoring Manual</i>



Training of ICAO SSP implementation assessors



- A team of assessors is being trained progressively to address SSP-related PQs in the various areas.
- Assessors include ICAO staff as well as secondees from States and Regional Safety Oversight Organizations.



REVIEW

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(APAC) Sub-office
Beijing

Asia and Pacific
(APAC) Office
Bangkok



THANK YOU

SSP.AGA PQs – Aerodromes and Ground Aids

PQ No.	Protocol Question	References in ICAO guidance material	SSP Component
SSP.AGA.01	What regulatory requirements have been promulgated by the State for operators of certified aerodromes (hereinafter referred to as aerodrome operators) to implement a safety management system (SMS) acceptable to the State?	SMM 8.4.7	State Safety Risk Management
SSP.AGA.02	What support has the State provided to aerodrome operators for SMS implementation?	SMM 8.3.8	State Safety Policy, Objectives and Resources
SSP.AGA.03	How does the State ensure that the personnel responsible for the acceptance and monitoring of aerodrome operators' SMS develop the required competencies?	SMM 8.3.7	State Safety Policy, Objectives and Resources
SSP.AGA.04	What guidance and tools has the State provided to its personnel on the initial acceptance and continuous surveillance of aerodrome operations' SMS?	SMM 8.3.8	State Safety Policy, Objectives and Resources
SSP.AGA.05	How does the State determine the initial and continued acceptability of the aerodrome operator's SMS?	SMM 8.4.7	State Safety Risk Management
SSP.AGA.06	How does the State assess the effectiveness of the hazard identification and risk management processes of aerodrome operators?	SMM 8.4.7	State Safety Risk Management
SSP.AGA.07	How does the State ensure that aerodrome operators monitor and analyze safety data to identify trends and take appropriate action when needed?	SMM 8.4.7	State Safety Risk Management
SSP.AGA.08	How does the State review and monitor safety performance indicators (SPIs), alert levels and target levels, when applicable, of individual aerodrome operators?	SMM 8.4.7	State Safety Risk Management
SSP.AGA.09	How does the State prioritize inspections, audits and surveys of aerodrome operators, towards those areas of greater safety concern or need?	SMM 8.5.3	State Safety Assurance

SSP.AGA PQs – Aerodromes and Ground Aids

PQ No.	Protocol Question	References in ICAO guidance material	SSP Component
SSP.AGA.10	How does the State use the safety performance-related information of its aerodrome operators to support the monitoring of the State’s safety performance?	SMM 8.5.5	State Safety Assurance
SSP.AGA.11	How does the State enable and promote the exchange of safety information among: 1) aerodrome operators; and 2) aerodrome operators and other sectors of civil aviation in the State?	SMM 8.6	State Safety Promotion

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