USOAP CMA 2016 Protocol Questions Aerodromes and ground aids — AGA

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 provisions of safety-critical information
- CE-6. Licensing, certification, authorization and/or 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 and has provided ICAO with the relevant evidence. 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 addresses all elements of the "*not satisfactory*" PQ, including presentation of the necessary supporting documentation and evidence.

The status of each PQ for a State is reflected on the USOAP CMA Online Framework and in the USOAP CMA 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.

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 Coordinated Validation Mission (ICVM), States should provide the necessary supporting documentation and evidence for all PQs, within the scope of the ICVM, 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/amended/deleted PQs and a brief description of the amendments.

In July 2017, amended PQs related to the State Safety Programme (SSP) will be published by ICAO to reflect Amendment 1 to Annex 19 to the Chicago Convention — *Safety Management*, the 4th edition of the *Safety Management Manual (SMM)* (Doc 9859) and the lessons learned to date. Although Amendment 1 to Annex 19 does not become applicable until November 2019, audits including the amended SSP-related PQs will be conducted in select States in 2018 and 2019 on a voluntary but non-confidential basis. Starting in 2020, ICAO will perform audits using the amended SSP-related PQs on the States which will meet the criteria to be established by ICAO, in line with the Global Aviation Safety Plan (GASP).

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 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 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 for each audit area.

Annex

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

ICAO References

The ICAO references are grouped under the following categories (shown here in alphabetical order): Assembly Resolution (AR), Chicago Convention (CC), ICAO Guidance Material (GM), Procedures for Air Navigation Services (PANS), Recommended Practice (RP), Standard (STD), State Letter (SL) and Regional Supplementary Procedures (SUPPS).

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

AIC = Aeronautical Information Circular

AIS = Aeronautical Information Service

AR = Assembly Resolution

A-SMGCS = Advanced Surface Movement Guidance and Control

System

ATS = Air Traffic Service

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

FATO = Final Approach and Take-off Area

FOD = Foreign object debris

GM = ICAO Guidance Material

IFR = Instrument flight rules

LVP = Low visibility procedures

NAVAID = Aid to air navigation, also navigation aid

NOTAM = Notice to Airmen

OJT = On-the-job Training

OLS = Obstacle Limitation Surface

PAPI = Precision approach path indicator

PCN = Pavement Classification Number

PQ = Protocol Question

QFU = Magnetic orientation of runway

RESA = Runway End Safety Area

RFF = Rescue and Fire Fighting

RP = Recommended Practice contained in an Annex to the Chicago Convention

RVR = Runway visual range

SARPs = Standards and Recommended Practices

SMGCS = Surface Movement Guidance and Control System

SMS = Safety Management System

SSP = State Safety Programme

STD = International Standard contained in an Annex to the Chicago Convention

USOAP = Universal Safety Oversight Audit Programme

VASIS = Visual approach slope indicator system

VFR = Visual flight rules

WGS-84 = World Geodetic System - 1984

List of ICAO Reference Documents

Doc 7300 — Convention on International Civil Aviation
(also known as the Chicago Convention)

Annex 11 — Air Traffic Services

Annex 13 — Aircraft Accident and Incident Investigation

Annex 14 — Aerodromes

Volume I — Aerodrome Design and Operations

Volume II — Heliports

Annex 15 — Aeronautical Information Services

Annex 16 — Environmental Protection

Volume I — Aircraft Noise

Annex 19 — Safety Management

Doc 9137 — Airport Services Manual

Part 1 — Rescue and Fire Fighting

Part 2 — Pavement Surface Conditions

Part 3 — Wildlife Control and Reduction

Part 5 — Removal of Disabled Aircraft

Part 6 — Control of Obstacles

Part 7 — Airport Emergency Planning

Part 8 — Airport Operational Services

Part 9 — Airport Maintenance Practices

Doc 9150 — Stolport Manual

Doc 9157 — Aerodrome Design Manual

Part 1 — Runways

Part 2 — Taxiways, Aprons and Holding Bays

Part 3 — Pavements

Part 4 — Visual Aids

Part 5 — *Electrical Systems*

Part 6 — Frangibility

Doc 9184 — Airport Planning Manual

Part 1 — *Master Planning*

Part 2 — Land Use and Environmental Control

Part 3 — Guidelines for Consultant/Construction Services

Doc 9261 — Heliport Manual

Doc 9332 — Manual on the ICAO Bird Strike Information System (IBIS)

Doc 9426 — Air Traffic Services Planning Manual

Doc 9476 — Manual on Surface Movement Guidance and Control Systems (SMGCS)

Doc 9643 — Manual on Simultaneous Operations on Parallel or Near-Parallel Instrument Runways

Doc 9683 — Human Factors Training Manual

Doc 9734 — Safety Oversight Manual

Part A — The Establishment and Management of a State's Safety Oversight System

Doc 9735 — Universal Safety Oversight Audit Programme Continuous Monitoring Manual

Doc 9774 — Manual on Certification of Aerodromes

Doc 9806 — Human Factors Guidelines for Safety Audits Manual

Doc 9830 — Advanced Surface Movement Guidance and Control Systems (A-SMGCS) Manual

Doc 9859 — Safety Management Manual (SMM)

Doc 9870 — Manual on the Prevention of Runway Incursions

Doc 9981 — Procedures for Air Navigation Services — Aerodromes

Cir 305 — Operation of New Larger Aeroplanes at Existing Aerodromes

Cir 329 — Assessment Measurement and Reporting of Runway Surface Conditions

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.	PQ No.		Tyj	pe of Amen	dment		
(CMA 2014)	(CMA 2016)	New	Revised	No change	Merged	Deleted	Description of Amendments
8.231	N/A					\boxtimes	PQ has been deleted.
8.295	N/A					\boxtimes	PQ has been deleted.
8.325	N/A					\boxtimes	PQ has been deleted.
8.343	N/A					\boxtimes	PQ has been deleted.
8.001	8.001			\boxtimes			No change.
8.003	8.003			\boxtimes			No change.
8.005	8.005			\boxtimes			No change.
8.009	8.009			\boxtimes			No change.
8.011	8.011			\boxtimes			No change.
8.013	8.013			\boxtimes			No change.
8.015	8.015		\boxtimes				Guidance revised for clarity.
8.017	8.017			\boxtimes			No change.
8.019	8.019			\boxtimes			No change.
8.031	8.031			\boxtimes			No change.
8.033	8.033			\boxtimes			No change.
8.035	8.035			\boxtimes			No change.
8.039	8.039		\boxtimes				Reference revised.
8.040	8.040		\boxtimes				Question revised for clarity.
8.042	8.042		\boxtimes				Question revised for clarity.
8.045	8.045		\boxtimes				Guidance revised for clarity.
8.047	8.047			\boxtimes			No change.
8.048	8.048			\boxtimes			No change.
8.049	8.049			\boxtimes			No change.
8.050	8.050			\boxtimes			No change.

PQ No.	PQ No.		Тур	pe of Amen	ndment		
(CMA 2014)	(CMA 2016)	New	Revised	No change	Merged	Deleted	Description of Amendments
8.051	8.051		\boxtimes				Guidance revised for clarity.
8.052	8.052			\boxtimes			No change.
8.053	8.053		\boxtimes				Guidance revised for clarity.
8.055	8.055			\boxtimes			No change.
8.057	8.057		\boxtimes				Guidance revised for clarity.
8.063	8.063		\boxtimes				Guidance revised for clarity.
8.065	8.065			\boxtimes			No change.
8.067	8.067			\boxtimes			No change.
8.069	8.069		\boxtimes				Guidance revised for clarity.
8.071	8.071			\boxtimes			No change.
8.073	8.073			\boxtimes			No change.
8.081	8.081		\boxtimes				Reference revised.
8.083	8.083		\boxtimes				Reference revised.
8.084	8.084			\boxtimes			No change.
8.085	8.085		\boxtimes				Reference revised.
8.086	8.086		\boxtimes				Guidance revised for clarity.
8.087	8.087		\boxtimes				Reference revised.
8.089	8.089		\boxtimes				Guidance revised for clarity.
8.091	8.091		\boxtimes				Reference revised.
8.093	8.093		\boxtimes				Reference revised.
8.097	8.097			\boxtimes			No change.
8.099	8.099		\boxtimes				Reference revised.
8.101	8.101		\boxtimes				Reference revised.
8.103	8.103		\boxtimes				Question and guidance revised for clarity.
8.105	8.105		\boxtimes				Reference revised.
8.107	8.107		\boxtimes				Guidance revised for clarity.
8.111	8.111		\boxtimes				Guidance revised for clarity. Reference revised.
8.113	8.113		\boxtimes				Guidance revised for clarity. Reference revised.
8.115	8.115		\boxtimes				Guidance revised for clarity. Reference revised.
8.119	8.119		\boxtimes				Guidance revised for clarity. Reference revised.

PQ No.	PQ No.		Туј	pe of Amen	dment		
(CMA 2014)	(CMA 2016)	New	Revised	No change	Merged	Deleted	Description of Amendments
8.121	8.121		\boxtimes				Guidance revised for clarity. Reference revised.
8.123	8.123		\boxtimes				Reference revised.
8.132	8.132			\boxtimes			No change.
8.133	8.133			\boxtimes			No change.
8.134	8.134			\boxtimes			No change.
8.135	8.135		\boxtimes				Question revised for clarity. Reference revised.
8.137	8.137			\boxtimes			No change.
8.139	8.139		\boxtimes				Reference revised.
8.141	8.141		\boxtimes				Reference revised.
8.143	8.143		\boxtimes				Question revised for clarity. Reference revised.
8.145	8.145		\boxtimes				Question and guidance revised for clarity. Reference revised.
8.147	8.147		\boxtimes				Question revised for clarity. Reference revised.
8.149	8.149						Question revised for clarity. Reference revised.
8.151	8.151			\boxtimes			No change.
8.153	8.153		\boxtimes				Reference revised.
8.155	8.155		\boxtimes				Question revised for clarity.
8.157	8.157		\boxtimes				Guidance revised for clarity.
8.161	8.161						Question and guidance revised for clarity. Reference revised.
8.162	8.162			\boxtimes			No change.
8.163	8.163		\boxtimes				Question and guidance revised for clarity. CE-2 changed to CE-6.
8.165	8.165			\boxtimes			No change.
8.169	8.169		\boxtimes				Question revised for clarity. Reference revised.
8.171	8.171		\boxtimes				Reference revised.
8.172	8.172			\boxtimes			No change.
8.173	8.173			\boxtimes			No change.
8.175	8.175			\boxtimes			No change.
8.177	8.177			\boxtimes			No change.
8.179	8.179			\boxtimes			No change.
8.181	8.181			\boxtimes			No change.
8.182	8.182			\boxtimes			No change.

PQ No.	PQ No.		Тур	pe of Amen	dment		
(CMA 2014)	(CMA 2016)	New	Revised	No change	Merged	Deleted	Description of Amendments
8.183	8.183			\boxtimes			No change.
8.185	8.185			\boxtimes			No change.
8.191	8.191			\boxtimes			No change.
8.201	8.201		\boxtimes				Question and guidance revised for clarity. Reference revised.
8.202	8.202			\boxtimes			No change.
8.203	8.203			\boxtimes			No change.
8.205	8.205			\boxtimes			No change.
8.209	8.209			\boxtimes			No change.
8.211	8.211		\boxtimes				Guidance revised for clarity.
8.215	8.215		\boxtimes				Guidance revised for clarity.
8.216	8.216			\boxtimes			No change.
8.217	8.217			\boxtimes			No change.
8.219	8.219			\boxtimes			No change.
8.221	8.221			\boxtimes			No change.
8.222	8.222			\boxtimes			No change.
8.223	8.223		\boxtimes				Question revised for clarity.
8.225	8.225			\boxtimes			No change.
8.227	8.227			\boxtimes			No change.
8.233	8.233		\boxtimes				Question revised for clarity.
8.235	8.235		\boxtimes				Reference revised.
8.237	8.237			\boxtimes			No change.
8.239	8.239			\boxtimes			No change.
8.245	8.245			\boxtimes			No change.
8.251	8.251		\boxtimes				Reference revised.
8.252	8.252			\boxtimes			No change.
8.253	8.253		\boxtimes				Reference revised.
8.255	8.255			\boxtimes			No change.
8.257	8.257		\boxtimes				Guidance revised for clarity.
8.259	8.259		\boxtimes				Reference revised.
8.261	8.261			\boxtimes			No change.

PQ No.	PQ No.		Тур	pe of Amen	dment		
(CMA 2014)	(CMA 2016)	New	Revised	No change	Merged	Deleted	Description of Amendments
8.273	8.273		\boxtimes				Question revised for clarity. Reference revised.
8.275	8.275			\boxtimes			No change.
8.277	8.277		\boxtimes				Question revised for clarity. Reference revised.
8.279	8.279			\boxtimes			No change.
8.281	8.281			\boxtimes			No change.
8.283	8.283			\boxtimes			No change.
8.285	8.285			\boxtimes			No change.
8.287	8.287		\boxtimes				Reference revised.
8.289	8.289		\boxtimes				Question revised for clarity.
8.291	8.291		\boxtimes				Question revised for clarity. Reference revised.
8.293	8.293		\boxtimes				Question revised for clarity. Reference revised.
8.297	8.297			\boxtimes			No change.
8.299	8.299		\boxtimes				Question revised for clarity.
8.301	8.301		\boxtimes				Question revised for clarity.
8.303	8.303			\boxtimes			No change.
8.305	8.305		\boxtimes				Question revised for clarity. CE-2 changed to CE-7.
8.307	8.307		\boxtimes				Question and guidance revised for clarity. CE-2 changed to CE-7.
8.309	8.309			\boxtimes			No change.
8.311	8.311		\boxtimes				Reference revised.
8.313	8.313		\boxtimes				Reference revised.
8.315	8.315		\boxtimes				Question revised for clarity.
8.317	8.317		\boxtimes				Reference revised.
8.319	8.319		\boxtimes				Question revised for clarity. Reference revised.
8.321	8.321		\boxtimes				Reference revised.
8.323	8.323		\boxtimes				Question and guidance revised for clarity. Reference revised.
N/A	8.326	\boxtimes					New PQ. Replaces 8.325 of 2014 PQs.
8.327	8.327			\boxtimes			No change.
8.328	8.328			\boxtimes			No change.
8.329	8.329			\boxtimes			No change.
8.331	8.331		\boxtimes				Reference revised.

PQ No.	PQ No.		Тур	pe of Amen	ndment		
(CMA 2014)	(CMA 2016)	New	Revised	No change	Merged	Deleted	Description of Amendments
8.333	8.333			\boxtimes			No change.
8.335	8.335		\boxtimes				Question revised for clarity.
8.337	8.337			\boxtimes			No change.
8.339	8.339		\boxtimes				Guidance revised for clarity.
8.341	8.341		\boxtimes				Question revised for clarity. Reference revised.
8.345	8.345		\boxtimes				Reference revised.
8.347	8.347			\boxtimes			No change.
8.349	8.349		\boxtimes				Question revised for clarity.
8.361	8.361			\boxtimes			No change.
8.363	8.363		\boxtimes				Reference revised.
8.365	8.365		\boxtimes				Question revised for clarity. CE-2 changed to CE-6. Reference revised.
8.367	8.367		\boxtimes				Reference revised.
8.369	8.369		\boxtimes				Reference revised.
8.371	8.371		\boxtimes				Question revised for clarity. Reference revised.
8.373	8.373		\boxtimes				Reference revised.
8.375	8.375		\boxtimes				Reference revised.
8.377	8.377		\boxtimes				Reference revised.
8.381	8.381			\boxtimes			No change.
8.383	8.383			\boxtimes			No change.
8.385	8.385		\boxtimes				Question revised for clarity.
8.387	8.387		\boxtimes				Question revised for clarity.
8.389	8.389		\boxtimes				Question revised for clarity.
8.391	8.391		\boxtimes				Question revised for clarity.
8.393	8.393		\boxtimes				Question revised for clarity.
8.395	8.395		\boxtimes				Question revised for clarity.
8.401	8.401		\boxtimes				Reference revised.
8.403	8.403		\boxtimes				Reference revised.
8.405	8.405		\boxtimes				Guidance revised for clarity. Reference revised.
8.407	8.407		\boxtimes				Reference revised.
8.409	8.409		\boxtimes				Reference revised.

PQ No.	PQ No.		Tyj	pe of Amen	dment		Description of Amondments	
(CMA 2014)	(CMA 2016)	New	Revised	No change	Merged	Deleted	Description of Amendments	
8.411	8.411		\boxtimes				Reference revised.	
8.413	8.413		\boxtimes				Reference revised.	
8.415	8.415		\boxtimes				Guidance revised for clarity.	
8.417	8.417			\boxtimes			No change.	
8.419	8.419		\boxtimes				Reference revised.	
8.501	8.501			\boxtimes			No change.	
8.503	8.503			\boxtimes			No change.	
8.505	8.505		\boxtimes				Reference revised.	
8.507	8.507		\boxtimes				Reference revised.	
8.509	8.509		\boxtimes				Reference revised.	
8.511	8.511			\boxtimes			No change.	
8.513	8.513		\boxtimes				Reference revised.	

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.001	Has the State promulgated aerodrome regulations to enable the State to implement the provisions of Annex 14?	 Title and content. Date of promulgation and last amendment. Verify regulations reflect latest Annex amendment applicable. 	CC Art. 28 GM Doc 9734 Part A, 3.2	CE-2
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.003	Has the State implemented procedures for the amendment of its specific regulations, taking into consideration ICAO provisions and their amendments?	1) Documented evidence of effective implementation of procedures for the amendment of the regulations. 2) Amendments of regulations effected 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. The development of these procedures is addressed in PQ LEG PQ 1.009.	CC Art. 37 GM Doc 9734 Part A, 3.3	CE-2
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.005	Has the State promulgated legislation/regulations for the certification of aerodromes?	Verify legislation/regulations.	CC Art. 15 STD A14 Vol. I, 1.4.1 GM Doc 9774 2.2 b) Doc 9734 Part A, 3.2	CE-2
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.009	Do the State regulations provide for the CAA to conduct continuing oversight of aerodrome operators and associated service providers?	Verify regulations.	GM Doc 9734 Part A, 3.8	CE-2
	*			
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References GM	CE

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		1		1
	authority between the State operators and the State	2) This PQ is linked to ORG 2.021.	1.1	
	regulatory authority?		Doc 9734	
			Part A, 2.4.9 & 3.4.4	
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.013	Has the State promulgated legislative provisions	1) Review legislative provisions.	GM	CE-1
	enabling the aerodrome regulatory authority to	2) Verify that the CAA has the authority to	Doc 9734	
	impose operating restrictions and/or sanctions at a	impose operating restrictions and/or	Part A, 3.9	
	certified aerodrome, in the event of non-compliance	sanctions.	Doc 9774	
	with the certification requirements or an unresolved		2.2 f)	
	safety deficiency/concern?			
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.015	Has the State implemented procedures for	1) Documented evidence of effective	CC	CE-2
	identifying and notifying differences, if any, to	implementation of existing procedures.	Art. 37 & 38	
	ICAO?	2) Review CC/EFOD for Annex 14, Volume I	GM	
		and Volume II, as applicable.	Doc 9734	
		- The development of these procedures is	Part A, 3.3	
		addressed in LEG PQ 1.025.		
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.017	If the State has adopted aerodrome regulations from	1) Verify regulatory framework.	CC	CE-2
	another State/organization, has it implemented	2) Confirm implementation of the procedures	Art. 37 & 38	
	procedures for ensuring that these regulations	when:		
	comply with Annex 14 initially and on an ongoing	a) amendments are made by the originating		
	basis, subsequent to an Annex amendment or an	State/organization.		
	amendment by the originating State/Organization?	b) Annex 14 is amended.		
		3) Review a sample case.		
		- The development of these procedures is		
		addressed in LEG PQ 1.029.		
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.019	Has the State the means in place to ensure that	Verify the means available to access the	GM	CE-2
0.017	copies of aerodrome enabling regulations and	regulations and supplementary regulatory	Doc 9734	CL-2
	directives, orders, circulars, publications, etc. are	instruments (i.e. National Gazette,	Part A, 3.2 & 3.3	
	readily available to the public?	government printing office, Internet, etc.).	1 art A, 3.2 & 3.3	
	readily available to the public:	government printing office, internet, etc.).		
		- The publication of legislation is addressed in		
		LEG PQ 1.011.		
		LLO 1 Q 1.011.		

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
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). - This PQ is not linked to the ORG PQ 2.010.	GM Doc 9774 5.1 & 5.4 Doc 9734 Part A, 3.4	CE-3
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.033	Are all the functions and responsibilities of the aerodrome regulatory authority clearly defined?	Review document detailing the functions and responsibilities for inclusion of: 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. - This PQ is not linked to the ORG PQ 2.011.	GM Doc 9774 5.2	CE-3
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.035	Have job descriptions been developed for technical staff and key management personnel of the aerodrome regulatory authority?	 Review job descriptions for all aerodrome regulatory and inspectorate staff. Check that the job description includes tasks related to Annex 14. 	GM Doc 9734 Part A, 3.4 & 3.6 Doc 9774 5.5	CE-3
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	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	 Review methodology used for determining staffing levels. List of available experts which 	GM Doc 9734 Part A, 3.4 & 3.5 Doc 9774	CE-3

	out its functions and mandate?	demonstrates a suitable mix of technical disciplines, or access to such, appropriate to aerodrome operations such as: a) Aerodrome operations, b) Aircraft operations, c) Engineering – civil, electrical and air traffic, d) Rescue and fire fighting (RFF), e) wildlife hazard control, and f) SMS. 3) Review ability to carry out all safety oversight-related tasks, including: 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.	5.4	
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
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.	Doc 9734 Part A, 3.5	CE-4
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	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?	 Sample recruitment files. Cross-check with established requirements. 	Doc 9734 Part A, 3.5	CE-4
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
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.	GM Doc 9774 2.2 g) & 3D.6	CE-3

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
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?	Review documentation clearly defining tasks delegated. Verify the legal mechanism for the delegation.	GM Doc 9734 Part A, 3.5.1.3 Doc 9774 4.1.4	CE-3
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
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, 3.9	CE-8
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
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?	 Review competency requirements for delegated entities or individuals. Review minimum qualifications and experience required for individuals receiving delegation. 	GM Doc 9734 Part A, 3.5	CE-4
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.050	Does the aerodrome regulatory authority conduct surveillance of tasks delegated to other entities or individuals?	 Review mechanism for surveillance. Review evidence to confirm effective implementation. Review that the aspect of maintenance of competency of relevant personnel is covered. 	GM Doc 9734 Part A, 3.8	CE-7
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
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	GM Doc 9734 Part A, 3.5 Doc 9774 5.5	CE-4

		areas, and maintain (recurrent) them at those levels. 3) Verify specialized training for: a) Aerodrome operations, b) RFF, c) Wildlife management, d) Aeronautical studies/risk assessments, e) Enforcement, f) Signs, Markings and Lighting, and g) SSP and SMS.		
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.052	Have the personnel of the aerodrome regulatory authority who are involved in SSP implementation and its operation completed appropriate SSP and SMS training, as applicable?	Sample review relevant training records.	GM A19 Att. A, 4.1 Doc 9859 4.4.18	CE-4
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	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?	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.	GM Doc 9734 Part A, 3.5	CE-4
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
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. Note: SSP and SMS training is addressed in AGA PQ 8.052.	GM Doc 9734 Part A, 3.5	CE-4

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.057	Does the aerodrome regulatory authority have a system for the maintenance of training records for its technical staff?	 Review requirements/instructions for the establishment and maintenance of training records. Review the system in place and sample training records. Verify that training records: a) are systematically retained, and b) comprise not only certificates of attendance, but also information on the course content. 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. 	GM Doc 9734 Part A	CE-4
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	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?	Review process for issuance. Review process for keeping published documents up-to-date. Review list of published documentation to confirm their relevance, currency and coverage of most of the AGA specialist disciplines.	GM Doc 9734 Part A, 3.3 & 3.6	CE-5
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.065	Are the relevant ICAO documents and other technical publications up-to-date and readily available to aerodrome regulatory and inspectorate staff?	 Verify accessibility of documents: State laws and regulations. Orders and instructions. Current copy of Annex 14. Copies of ICAO guidance material (i.e. Doc 9774, Doc 9137, Doc 9157, etc.). 	GM Doc 9774 5.3	CE-5

		Note: Check for field/regional offices as well as Headquarters.		
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.067	Is there a technical library available for the aerodrome regulatory authority personnel, or another method to ensure receipt, control and distribution of necessary technical documentation?	Evaluate: a) Document control system. b) Method to determine currency of documents. c) Electronic library, if available.	GM Doc 9774 5.3	CE-5
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.069	Has the aerodrome regulatory authority developed guidance material and procedures for aerodrome inspectorate staff, covering each technical specialist area?	Review guidance, procedures and checklists developed for both aerodrome certification and surveillance activities.	GM Doc 9734 Part A, 3.6	CE-5
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.071	Does the aerodrome regulatory authority have sufficient office equipment and tools for aerodrome inspectorate staff?	Check available communication means and office equipment: a) Telephones/cellphones b) Fax c) Printer d) Computers/laptops/notebooks e) Photocopier f) Internet/Intranet g) Inspector' tools (e.g. measuring wheel, inclinometer, etc.).	GM Doc 9734 Part A, 3.6	CE-5
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.073	Does the aerodrome regulatory authority provide transportation for aerodrome inspectors to perform their duties?	Review means of transportation.	GM Doc 9734 Part A, 3.6	CE-5
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.081	Has the State promulgated regulations detailing the requirements for the certification of aerodromes and including the criteria to determine if an aerodrome should be certified?	Verify regulations.	CC Art. 15 STD A14 Vol. I, 1.4.1 & 1.4.3	CE-2

PQ No. 8.083	Protocol Question Has the State established a process for the certification of aerodromes?	Guidance for Review of Evidence 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) Acceptability of the SMS. h) Issuance or refusal of aerodrome certificate. i) Publication of certified status of an aerodrome and the required details in the AIP.	RP A14 Vol. I, 1.4.2 PANS Doc 9981 2.1.2.1 GM Doc 9774 2.3a) & 3B.3.2 ICAO References CC Art. 15 STD A14 Vol. I, 1.4.3 & 1.4.4 PANS Doc 9981 2.1.2.2, 2.1.2.3 & Att. B to C2 GM Doc 9774 3B.3.2 & 4.2	CE CE-5
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.084	Does the aerodrome regulatory authority provide sufficient information (e.g. booklet, pamphlet, circular, web page) to a prospective aerodrome operator about the regulations and associated material for obtaining an aerodrome certificate and corresponding specifications?	Verify applicable forms available, pamphlets, web page, hard copies, etc., and verify if it is also available for: a) Amendment to a certificate. b) Amendment to operations specifications. c) Authorizations or limitations.	GM Doc 8335 Part III, 3.1 Doc 9734 Part A, 3.6	CE-5

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
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?	Review examples of template. Review completed application forms to confirm effective implementation.	PANS Doc 9981 2.3.3.2 a) GM Doc 9774 3B.2	CE-6
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
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	CE-6
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	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?	Review aerodrome inspectors guidance material, manuals, checklists, etc. Verify certification process. Review qualification requirements and process for assessment of staff performing all critical activities. Review evidence to confirm effective implementation.	PANS Doc 9981 3.2 c) GM Doc 9774 3D.2	CE-6
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.089	Does the aerodrome certification process include referrals to competent State entities, as appropriate, for their clearance with the necessary documentation, e.g. environmental impact study commissioned by the applicant?	Review national requirement and its effective implementation with, e.g. environmental agency, security agency, local planning authorities, etc.	GM Doc 9774 4.3.3	CE-6
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
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 2.3.2.3, 2.3.2.6, App. 1 to	CE-6

			C2 & Att. C to C2 GM Doc 9734 Part A, 3.6 & 3.7 Doc 9774 4.1.2, 4.4 & 5.2	
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.093	Does the scope of the certification process explicitly include coordination with elements of air traffic service (ATS) for the local airspace of an aerodrome?	1) Verify that documentation includes the requirement to coordinate with ATS elements in the certification process. 2) Review evidence to confirm effective implementation. 3) 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)	CE-6
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.097	Does the State's certification process include	1) Verify the certification process and the link	GM	CE-6
	military aerodromes used for international civil operations?	to the regulatory framework. 2) If the aerodrome certification requirements do not explicitly address the use of military aerodromes for international civil operations, review the method used to determine their compliance with applicable regulations. 3) Review evidence of effective implementation.	Doc 9774 2.3 f)	
PQ No.		2) If the aerodrome certification requirements do not explicitly address the use of military aerodromes for international civil operations, review the method used to determine their compliance with applicable regulations. 3) Review evidence of effective		CE CE-6

		of aerodromes. d) criteria used for the risk assessment before granting the exemptions. Note 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.	Doc 9774 App. 3	
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
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 2.3.6.1 GM Doc 9774 3B.4 & App. 4	CE-6
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
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	CE
8.105	Has the State established a procedure for the amendment of an aerodrome certificate?	1) Review procedure for amendment and verify that it includes assessment of all	PANS Doc 9981	CE-5
		elements which could be affected by the change. 2) Review examples, if any.	2.5.8.6 GM Doc 9774 3B.9	
PQ No. 8.107	Protocol Question Has the State established procedures for the transfer	change.	GM Doc 9774	CE CE-5

	of an aerodrome certificate?	they include evaluation of all changes and assessment of the capability of the new operator to maintain the aerodrome properly. 2) Review examples, if available.	Doc 9774 4.7	
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	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	STD A14 Vol. I, 1.4.4 PANS Doc 9981 2.2.1 GM Doc 9774 3.2 & 3B.2	CE-6

		xv) Low Visibility Operations		
		xvi) Protection of sites for radar and		
DO M	7 . 10 . 1	Navigation Aid (NAVAID).	761070	CT
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.113	As part of the certification process, does the State use the aerodrome manual as a key safety assurance document to assess both initial and continuing organizational competence?	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 Att. A & C to C2 GM Doc 9734 Part A, 3.8.2 Doc 9774 C3, 3.2, Section B, 3B.2 & Section C	CE-7
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.115	Does the State ensure that aerodrome manuals are reviewed periodically to check their amendment status and that the information contained in the manual remain correct?	Evaluate mechanism to ensure periodic review. Review evidence to confirm effective implementation.	STD A14 Vol. I, 1.4.4 PANS Doc 9981 2.2.3 GM Doc 9774 3.2, 3C.4 & App. 1	CE-7
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.119	Does the State provide guidance to the aerodrome regulatory authority technical staff on the initial review and approval/acceptance of an aerodrome manual?	 Review the guidance, including checklist, to confirm it addresses all pertinent technical areas and that it is up-to-date. Review example of used checklist. 	PANS Doc 9981 Att. C to C2 GM Doc 9734 Part A, 3.6	CE-5

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.121	Does the State have a procedure in place for subsequent amendments to the aerodrome manual to be reviewed and approved/accepted by aerodrome regulatory authority technical staff?	1) Review procedures to ensure inclusion of the systematic review of proposed amendments and their impact on safety. 2) Review examples, if available.	PANS Doc 9981 Att. C to C2 GM Doc 9774 3.2 & 3C.4	CE-5
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.123	Are up-to-date copies of approved aerodrome manuals kept by the aerodrome regulatory authority?	Check availability of latest revisions of aerodrome manuals.	STD A14 Vol. I, 1.4.4 PANS Doc 9981 2.2.3 GM Doc 9774 5.3	CE-6
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	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?	Review established requirements. Verify effective use of the aerodrome reference code for aerodrome planning purposes.	STD A14 Vol. I, 1.6	CE-2
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
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
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
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	STD & RP A14 Vol. I, C2	CE-2

		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 fire fighting 12) Visual approach slope indicator systems 13) Coordination between AIS and aerodrome authorities.		
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.135	Does the State have a quality system in place: a) to verify the accuracy and compliance of aerodrome data with the regulations, and b) to ensure that the accuracy, integrity and protection requirements for aeronautical data reported by the aerodrome operator are met throughout the data transfer process from the survey/origin to the next intended user?	Review the quality system established by the State. Check method used to verify the consistency and accuracy of aerodrome data published in the AIP. Review evidence, including documented evidence of survey requirements, to confirm effective implementation of a quality system.	STD A14 Vol. I, 2.1.1 to 2.1.5 A15 3.2.1 PANS Doc 9981 App. 1 to C2, Section 3.1 GM Doc 9774 4.4.4.	CE-6
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	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
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.139	Has the State promulgated regulations and associated industry guidance material to regulate the use of a	 Verify regulations. Confirm associated industry guidance 	RP A14	CE-2

PQ No. 8.141	pavement by an aircraft with an aircraft classification number (ACN) higher than the reported pavement classification number (PCN)? Protocol Question Has the State established guidance for calculating the declared distances, to the specified accuracy, for runways intended for use by international commercial air transport?	Guidance for Review of Evidence Review of available guidance.	Vol. I, 2.6.7 GM A14 Att. A, Section 20 ICAO References STD A14 Vol. I, 2.8 GM A14 Att. A, Section 3	CE CE-5
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	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, using appropriate terminology?	Evaluate mechanism to ensure effective implementation. Review evidence to confirm.	STD A14 Vol. I, 2.9.1, 2.9.2, 2.9.3 & 2.9.4 PANS Doc 9981 App. 1 to C2, Section 3.1 e) GM Doc 9137 Part 8 Doc 9476 Doc 9830	CE-7
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.145	Does the State ensure that aerodrome operators assess the type, depth and coverage of contaminants on runway surfaces and report them, taking into account the need for aircraft crews to make operational adjustments in accordance with performance requirements in some flight manuals?	Evaluate mechanism to ensure establishment and effective implementation of aerodrome operator's related procedures. Review evidence to confirm.	STD A14 2.9.5 & 2.9.11 RP A14 Vol. I, 2.9.12 PANS Doc 9981 App. 1 to C2, Section 3.1 e)	CE-7

			GM	
			Doc 9774	
			3D.7	
			Doc 9137	
			Part 2, 2.1	
			1 411 2, 2.1	
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.147	Does the State ensure that aerodrome operators have	1) Review method used by aerodrome	STD	CE-7
	a process for determining and providing relevant	operators to provide:	A14	
	information that a runway, or part of, may be	a) Information when a runway may be	Vol. I, 2.9.6, 2.9.7, 2.9.8,	
	slippery when wet, including the minimum friction	slippery when wet.	10.2.3 & 10.2.4	
	level for reporting of slippery runway conditions as	b) The minimum friction level for reporting	RP	
	specified by the State, or by other methods of	slippery conditions.	A14	
	determination?	c) Additional measurements when it is	Vol. I, 2.9.9 & 2.9.10	
	determination.	suspected that a runway may become slippery	GM	
		under unusual conditions.	Doc 8881	
		d) Information when these additional	Cir 329	
		measurements show that a runway or a	Cn 329	
		portion of it has become slippery.		
		2) Review evidence to confirm effective		
		implementation.		
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.149	Has the State established procedures for the issuance	1) Review documentation verifying that	STD	CE-5
	of NOTAMs in relation to contaminants on a	procedures have been established to include	A15	
	runway?	an assessment of the surface condition of the	C5	
	10211141	aerodrome movement areas and its	A14	
		description, using appropriate terminology.	Vol. I, 2.9.1	
		2) Review examples.	RP	
		2) Review examples.	A14	
			2.9.11	
			GM	
			Doc 9774	
			3D.7	
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.151	Does the State ensure that aerodrome operators	1) Evaluate mechanism established to ensure	RP	CE-6
0.101	provide contact information and aerodrome's	effective implementation for providing:	A14,	02.0
	provide conduct information and deroal office 5	circuite implementation for providing.	111,	

	capability for the removal of disabled aircraft?	 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. 	Vol. I 2.10.1, 2.10.2 & 9.3.1 to 9.3.2	
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	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 fire fighting (RFF) purposes?	Confirm mechanism established to ensure effective implementation. Review evidence to confirm.	STD A14 Vol. I, 2.11.1 RP A14 Vol. I, 2.11.2 PANS Doc 9981 App. 1 to C2, Section 3.1	CE-6
PQ No.	Protocal Oraștian		TOLODE	~
ry No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.155	Does the State ensure that aerodrome operators notify changes in the level of aircraft rescue and fire fighting (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
	Does the State ensure that aerodrome operators notify changes in the level of aircraft rescue and fire fighting (RFF) protection normally available at an	Confirm mechanism established to ensure effective implementation and method used by aerodrome operators to provide information on changes. Ensure that possible changes include those related to availability of extinguishing agents, equipment to deliver agents or personnel to operate the equipment, etc.	STD A14 Vol. I, 2.11.3 RP A14 Vol. I, 2.11.4 GM Doc 9774	

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	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 2.3.2.1 & App. 1 to C2	CE-6
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
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	CE
8.163	Does the State require and ensure the provision of runway end safety areas (RESA) at aerodromes?	Verify regulations. Review evidence to confirm effective	STD A14	CE-6

		implementation at all aerodromes open to	Vol. I, 3.5.1, 3.5.3 & 3.5.5	
		public use, including relevant information	RP	
		published in the AIP.	A14	
			Vol. I, 3.5.2, 3.5.4 & 3.5.6	
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.165	If the requirements for RESAs have not been	1) Review documentation of the method used	STD	CE-6
	implemented at all aerodromes open to public use,	by the State to determine whether a runway is	A14	
	has the State established and implemented a	safe enough.	Vol. I, 3.5.1, 3.5.3 & 3.5.5	
	mechanism to satisfy itself that the runway	2) Review evidence to confirm effective	RP	
	surroundings are safe for use by aircraft in the event	implementation, i.e. aeronautical studies	A14	
	of an aircraft overrunning or undershooting the	conducted.	Vol. I, 3.5.2& 3.5.4	
	runway?			
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.169	Are checklists provided to and used by aerodrome	1) Review checklist or other method of	PANS	CE-5
	inspectors during inspections of aerodrome physical	documenting compliance.	Doc 9981	
	characteristics, facilities, operational services,	2) Confirm use of developed checklist or	2.3.2 & App. 1 to C2,	
	equipment and installations?	other method of documenting compliance.	Section 1	
			GM D 0774	
			Doc 9774 4.4	
			4.4	
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.171	Whenever a change to the aerodrome physical	1) Review established requirements.	PANS	CE-6
	characteristics, facilities or equipment is proposed,	2) Review procedures established.	Doc 9981	
	does the aerodrome regulatory authority ensure that	3) Review evidence, including examples to	C2, 2.4.4	
	the aerodrome operator has a procedure for	confirm effective implementation.		
	evaluating the impact of this change on the safety of			
	the existing operation?			
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.172	Has the State promulgated regulations relating to the	Verify regulations, including the following	STD & RP	CE-2
	aerodrome electrical systems?	areas specified in Annex 14, Vol. I:	A14	
		1) Electrical power supply systems for air	Vol. I, C8	
		navigation facilities.		
		2) System design.		
		3) Monitoring.		
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
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8.173	Does the State ensure that aerodrome operators comply with regulations for the provision of primary and secondary power supplies?	1) Confirm mechanism established to ensure effective implementation. 2) Confirm compliance with application and availability of secondary power supplies, characteristics and switch-over times. 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.	STD & RP A14 Vol. I, 8.1 & 8.2 GM Doc 9157 Part 5	CE-6
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.175	If the aerodrome operators use runways when runway visual ranges are less than 550 m, does the State ensure that pilots will not be presented with inadequate visual guidance or misleading information?	 Evaluate mechanism established to ensure effective implementation. Review evidence to confirm. 	STD A14 Vol. I, 8.2.1 GM Doc 9157 Part 5	CE-6
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.177	Does the State ensure that aerodrome electrical systems are designed so that taxiway and runway lighting on any portion of a runway which forms part of a standard taxi-route are interlocked, to preclude the possibility of simultaneous operation of both forms of lighting?	 Evaluate mechanism established to ensure effective implementation. Review evidence to confirm. 	STD A14 Vol. I, 8.2.3	CE-6
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
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?	 Evaluate mechanism established to ensure effective implementation. Review evidence to confirm. Check during aerodrome industry visit. 	STD & RP A14 Vol. I, 8.3	CE-6
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	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	 Review documented evidence of the arrangements. Evaluate mechanism to ensure effective implementation. Review examples. 	STD A14 Vol. I, 1.5	CE-6

	aerodrome facilities?			
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.182	Has the State promulgated regulations relating to aerodrome operational services, equipment and installations?	Verify regulations, including the following areas specified in Annex 14 Vol. I: 1) Aerodrome emergency planning 2) Rescue and fire fighting (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
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
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?	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) Review evidence to confirm.	RP A14 Vol. I, 9.10	CE-6
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.185	Does the State ensure that aerodrome operators comply with regulatory requirements for the lighting of security fences and barriers?	1) Evaluate: a) mechanism to ensure effective implementation. b) risk assessment conducted to determine portions of the fence to be lit. 2) Review evidence to confirm effective implementation.	RP A14 Vol. I, 9.11	CE-6
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE

PQ No. 8.201	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? Protocol Question 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 mechanism to ensure effective compliance. 2) Review examples. 3) Confirm during aerodrome industry visit. Guidance for Review of Evidence 1) Review system for evaluating location and characteristics of: 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.	STD A14 Vol. I, 9.9 GM Doc 9157 Part 6 ICAO References STD A14 Vol. I, C5 PANS Doc 9981 2.1.2.2 & 2.3.2.1 & App. 1 to C2 GM Doc 9774 4.4.4	CE CE-6
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.202	Has the State promulgated regulations relating to aerodrome visual aids for navigation?	Verify regulations, including the following areas specified in Annex 14, Vol. I 1) Indicators and signaling devices 2) Markings	STD & RP A14 Vol. I, C5	CE-2

		3) Lights		
		4) Signs		
		5) Markers.		
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.203	Does the State ensure that an aerodrome operator's	1) Review established process and national	GM D 0.47.6	CE-6
	plan for lighting, signs and markings meets national requirements for individual elements?	requirements, taking into account the density of air traffic and the visibility conditions	Doc 9476 C2	
	requirements for individual elements:	under which operations are intended.	C2	
		2) Sample outcome to confirm effective		
		implementation for individual elements.		
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.205	Has the State established and implemented a process	1) Review established process.	GM	CE-6
	to ensure that an aerodrome operator's plan for	2) Review evidence of a system approach to	Doc 9476	
	lighting, signs and markings is integrated as a whole	runway incursion and collision avoidance	C2	
	into the aerodrome's runway incursion and collision	strategy, e.g. establishment of runway safety		
	avoidance strategy, taking account of different traffic intensities and visibility conditions?	teams.		
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
PQ No. 8.209	Protocol Question Does the State ensure that aerodrome operators	1) Evaluate mechanism to ensure effective	ICAO References STD & RP	CE CE-6
	Does the State ensure that aerodrome operators comply with the regulations for the provision of	1) Evaluate mechanism to ensure effective implementation.	STD & RP A14	
	Does the State ensure that aerodrome operators comply with the regulations for the provision of fixed or variable message signs, taking into account	1) Evaluate mechanism to ensure effective	STD & RP A14 Vol. I, 5.4 & 9.8.1 to 9.8.3	
	Does the State ensure that aerodrome operators comply with the regulations for the provision of fixed or variable message signs, taking into account the surface movement guidance and control system	1) Evaluate mechanism to ensure effective implementation.	STD & RP A14 Vol. I, 5.4 & 9.8.1 to 9.8.3 GM	
8.209	Does the State ensure that aerodrome operators comply with the regulations for the provision of fixed or variable message signs, taking into account the surface movement guidance and control system (SMGCS) requirements?	1) Evaluate mechanism to ensure effective implementation.	STD & RP A14 Vol. I, 5.4 & 9.8.1 to 9.8.3 GM Doc 9476	CE-6
	Does the State ensure that aerodrome operators comply with the regulations for the provision of fixed or variable message signs, taking into account the surface movement guidance and control system	Evaluate mechanism to ensure effective implementation. Review evidence to confirm.	STD & RP A14 Vol. I, 5.4 & 9.8.1 to 9.8.3 GM	
8.209 PQ No.	Does the State ensure that aerodrome operators comply with the regulations for the provision of fixed or variable message signs, taking into account the surface movement guidance and control system (SMGCS) requirements? Protocol Question	Evaluate mechanism to ensure effective implementation. Review evidence to confirm. Guidance for Review of Evidence Evaluate mechanism to ensure effective implementation.	STD & RP A14 Vol. I, 5.4 & 9.8.1 to 9.8.3 GM Doc 9476 ICAO References STD & RP A14	CE-6
8.209 PQ No.	Does the State ensure that aerodrome operators comply with the regulations for the provision of fixed or variable message signs, taking into account the surface movement guidance and control system (SMGCS) requirements? Protocol Question Does the State ensure that stop bars are installed in	1) Evaluate mechanism to ensure effective implementation. 2) Review evidence to confirm. Guidance for Review of Evidence 1) Evaluate mechanism to ensure effective implementation. 2) Ensure it covers verification of:	STD & RP A14 Vol. I, 5.4 & 9.8.1 to 9.8.3 GM Doc 9476 ICAO References STD & RP	CE-6
8.209 PQ No.	Does the State ensure that aerodrome operators comply with the regulations for the provision of fixed or variable message signs, taking into account the surface movement guidance and control system (SMGCS) requirements? Protocol Question Does the State ensure that stop bars are installed in accordance with the requirements and controlled by	1) Evaluate mechanism to ensure effective implementation. 2) Review evidence to confirm. Guidance for Review of Evidence 1) Evaluate mechanism to ensure effective implementation. 2) Ensure it covers verification of: a) implementation of stop bars at all	STD & RP A14 Vol. I, 5.4 & 9.8.1 to 9.8.3 GM Doc 9476 ICAO References STD & RP A14	CE-6
8.209 PQ No.	Does the State ensure that aerodrome operators comply with the regulations for the provision of fixed or variable message signs, taking into account the surface movement guidance and control system (SMGCS) requirements? Protocol Question Does the State ensure that stop bars are installed in accordance with the requirements and controlled by	1) Evaluate mechanism to ensure effective implementation. 2) Review evidence to confirm. Guidance for Review of Evidence 1) Evaluate mechanism to ensure effective implementation. 2) Ensure it covers verification of: a) implementation of stop bars at all taxiways leading to runway operated with	STD & RP A14 Vol. I, 5.4 & 9.8.1 to 9.8.3 GM Doc 9476 ICAO References STD & RP A14	CE-6
8.209 PQ No.	Does the State ensure that aerodrome operators comply with the regulations for the provision of fixed or variable message signs, taking into account the surface movement guidance and control system (SMGCS) requirements? Protocol Question Does the State ensure that stop bars are installed in accordance with the requirements and controlled by	1) Evaluate mechanism to ensure effective implementation. 2) Review evidence to confirm. Guidance for Review of Evidence 1) Evaluate mechanism to ensure effective implementation. 2) Ensure it covers verification of: a) implementation of stop bars at all taxiways leading to runway operated with RVR below 550m;	STD & RP A14 Vol. I, 5.4 & 9.8.1 to 9.8.3 GM Doc 9476 ICAO References STD & RP A14	CE-6
8.209 PQ No.	Does the State ensure that aerodrome operators comply with the regulations for the provision of fixed or variable message signs, taking into account the surface movement guidance and control system (SMGCS) requirements? Protocol Question Does the State ensure that stop bars are installed in accordance with the requirements and controlled by	1) Evaluate mechanism to ensure effective implementation. 2) Review evidence to confirm. Guidance for Review of Evidence 1) Evaluate mechanism to ensure effective implementation. 2) Ensure it covers verification of: a) implementation of stop bars at all taxiways leading to runway operated with RVR below 550m; b) stop bars design and lights characteristics;	STD & RP A14 Vol. I, 5.4 & 9.8.1 to 9.8.3 GM Doc 9476 ICAO References STD & RP A14	CE-6
8.209 PQ No.	Does the State ensure that aerodrome operators comply with the regulations for the provision of fixed or variable message signs, taking into account the surface movement guidance and control system (SMGCS) requirements? Protocol Question Does the State ensure that stop bars are installed in accordance with the requirements and controlled by	1) Evaluate mechanism to ensure effective implementation. 2) Review evidence to confirm. Guidance for Review of Evidence 1) Evaluate mechanism to ensure effective implementation. 2) Ensure it covers verification of: 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	STD & RP A14 Vol. I, 5.4 & 9.8.1 to 9.8.3 GM Doc 9476 ICAO References STD & RP A14	CE-6
8.209 PQ No.	Does the State ensure that aerodrome operators comply with the regulations for the provision of fixed or variable message signs, taking into account the surface movement guidance and control system (SMGCS) requirements? Protocol Question Does the State ensure that stop bars are installed in accordance with the requirements and controlled by	1) Evaluate mechanism to ensure effective implementation. 2) Review evidence to confirm. Guidance for Review of Evidence 1) Evaluate mechanism to ensure effective implementation. 2) Ensure it covers verification of: 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	STD & RP A14 Vol. I, 5.4 & 9.8.1 to 9.8.3 GM Doc 9476 ICAO References STD & RP A14	CE-6
8.209 PQ No.	Does the State ensure that aerodrome operators comply with the regulations for the provision of fixed or variable message signs, taking into account the surface movement guidance and control system (SMGCS) requirements? Protocol Question Does the State ensure that stop bars are installed in accordance with the requirements and controlled by	1) Evaluate mechanism to ensure effective implementation. 2) Review evidence to confirm. Guidance for Review of Evidence 1) Evaluate mechanism to ensure effective implementation. 2) Ensure it covers verification of: 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	STD & RP A14 Vol. I, 5.4 & 9.8.1 to 9.8.3 GM Doc 9476 ICAO References STD & RP A14	CE-6

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
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?	1) Evaluate mechanism to ensure effective implementation and that it covers verification of: 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
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.216	Has the State promulgated regulations relating to visual aids for denoting restricted use areas?	Verify regulations, including the following areas specified in Annex 14, Vol. I: 1) Closed runways and taxiways, or parts thereof 2) Non-load-bearing surfaces 3) Pre-threshold area 4) Unserviceable areas.	STD & RP A14 Vol. I, C7	CE-2
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.217	Does the State ensure that aerodrome operators have procedures to prevent aircraft from entering permanently closed runways and taxiways by obliterating runway and taxiway markings and the removal of lighting?	Evaluate mechanism to ensure effective implementation. Review evidence to confirm.	STD A14 Vol. I, 7.1.5 & 7.1.6	CE-6
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
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.	RP A14 Vol. I, 9.8.7 & 9.8.8 A11 3.10 Note GM Doc 9426 Part II, Section 5, C4	CE-2
				<u> </u>
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE

	movement guidance and control system (SMGCS) is designed to prevent inadvertent incursions of aircraft and vehicles onto an active runway or taxiway, and collisions on any part of the movement area, taking into account the elements listed in Annex 14, Vol. I?	requirements. 2) Evaluate mechanism to ensure effective implementation. 3) Confirm application of human factors principles. 4) Review evidence to confirm aerodrome operator's compliance with specifications of markings, lights and signs in Annex 14, Vol. I.	A14 Vol. I, 9.8.4 & 9.8.5 GM Doc 9734 Part A, 2.4.7 b) iv) Doc 9476 Doc 9157 Part 4	
PQ No. 8.222	Protocol Question Has the State promulgated regulations relating to	Guidance for Review of Evidence Verify regulations, including the following	ICAO References STD & RP	CE-2
8.222	visual aids for denoting obstacles?	areas specified in Annex 14, Vol. I 1) Objects to be marked and/or lighted, and 2) Marking and/or lighting of objects.	A14 Vol. I, C6	CE-2
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
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?	 Evaluate mechanism to ensure effective implementation. Review evidence to confirm. 	STD & RP A14 Vol. I, 6.1 & 6.2	CE-7
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
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?	Evaluate mechanism to ensure effective implementation. Review evidence to confirm.	STD & RP A14 Vol. I, 7.1	CE-6
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
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?	Evaluate mechanism to ensure effective implementation. 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 GM Doc 9734	CE-6

			Part A, 2.4.7 b) & 2.5	
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	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?	Evaluate mechanism to ensure effective implementation within and in the vicinity of aerodromes. Review evidence to confirm.	STD A14 Vol. I, 5.3.1.1 to 5.3.1.3	CE-7
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.235	Does the State ensure that aerodrome operators comply with regulations related to the control of lighting intensity?	Evaluate mechanism to ensure effective implementation. Review evidence to confirm. 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 App. 1 to C2, Section 2.1 GM Doc 9157 Part 4	CE-6
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.237	Has the State implemented requirements for the provision of runway lead-in lighting systems due to noise abatement requirements or for avoiding hazardous terrain?	Evaluate mechanism to ensure effective implementation, if applicable. Review evidence to confirm.	RP A14 Vol. I, 5.3.7.1 to 5.3.7.6 GM Doc 9734 Part A, 2.5.2 d)	CE-6
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
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 10.4.7 and 10.4.11 of Annex 14, Vol. 1, if applicable.	STD A14 Vol. I, 5.3.12.5	CE-6
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.245	Does the State ensure the implementation of requirements for the provision of visual docking	1) Evaluate mechanism to ensure effective implementation, if applicable.	STD & RP A14	CE-6

PQ No. 8.251	guidance systems, in accordance with Annex 14, Vol I specifications, including evaluation, location, characteristic specifications, and azimuth and stopping guidance? Protocol Question 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?	2) Review evidence to confirm. Guidance for Review of Evidence 1) Evaluate mechanism to ensure effective implementation. 2) Review evidence to confirm.	Vol. I, 5.3.25 ICAO References STD A14 Vol. I, 10.1.1 RP A14 Vol. I, 10.1.2 PANS Doc 9981 2.1.2; App. 1 to C2,	CE CE-6
			Section 3.1	
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
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
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
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?	Evaluate mechanism to ensure effective implementation of precautionary measures. Review method used to assess runway surface irregularities. Review evidence to confirm.	STD A14 Vol. I, 10.2.1 & 10.2.2 GM A14 Att. A, Section 5 Doc 9157 Part 2	CE-6
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.255	Has the State promulgated regulations for the measurement of runway friction characteristics including the definition of the minimum	Verify regulations. Review specified minimum maintenance level.	STD A14 Vol. I, 10.2.3 to 10.2.5	CE-2

1 .	maintenance level?			
	mamenance level.		RP A14	
1			Vol. I, 3.1.24 & 3.4.7 &	
1			10.2.6	
DO M	D 4 10 4			CE
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
	Has the State established and implemented a	1) Evaluate mechanism to ensure effective	STD	CE-7
	mechanism to ensure that aerodrome operators	implementation.	A14	
	maintain good friction characteristics and low rolling	2) Review method used for timely removal of	Vol. I, 10.2.3 to 10.2.5 &	
	resistance on runways?	contaminants, such as rubber deposit,	10.3.1	
		standing water, snow, sand, etc.	GM	
		3) Review recorded friction results to confirm	Doc 9137	
		that frequency of measurements and method	Part 2	
		used are appropriate to the level of activity of		
		the runway.		
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.259	Does the State ensure that aerodrome operators	1) Evaluate mechanism to ensure effective	STD	CE-6
	define maintenance performance level objectives for	implementation.	A14	
, ,	visual aids as part of their preventive maintenance	2) Review copies of maintenance schedules	Vol. I, 10.5.1, 10.5.2 &	
	programme?	and associated check/inspection results which	10.5.7 to 10.5.12	
		demonstrate compliance (e.g. stop bars or	RP	
		taxiway lights).	A14	
		3) Definition of when a light is deemed to be	Vol. I, 10.5.3 to 10.5.6 &	
		unserviceable.	10.5.13	
			PANS	
			Doc 9981	
			App. 1 to C2, Section 2.1	
			**	
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.261	Does the State ensure that aerodrome operators	Review evidence to confirm effective	RP	CE-6
	comply with regulations restricting construction or	implementation	A14	
,	maintenance activities in the proximity of aerodrome		Vol. I, 10.5.13	
	electrical systems during low visibility operations?			
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.273	Does the State ensure that aerodrome operators	1) Evaluate mechanism to ensure effective	STD	CE-7
1	implement the requirements that runway strips are	implementation.	A14	
	free of objects unless they are needed for air	2) Review evidence to confirm, i.e. inspection	Vol. I, 3.4.7	
	navigation purposes and meet frangibility	reports; completed checklists.	RP	

	requirements?		A14 Vol. I, 3.4.6 PANS Doc 9981 App. 1 to C2, 2.1; App. to C4, 2.5.2 GM Doc 9774 App. 1, 4.13	
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
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) Other objects.	STD & RP A14 Vol. I, C4	CE-2
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
PQ No. 8.277	Protocol Question Does the State ensure the implementation of requirements relating to the group of obstacle limitation surfaces (OLS) at and around aerodromes?	Guidance for Review of Evidence 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.	ICAO References STD A14 Vol. I, 4.1 & 4.2 PANS Doc 9981 2.4.5 & 2.5.1.2 GM Doc 9137 Part 6, 1.1.3	CE CE-7
	Does the State ensure the implementation of requirements relating to the group of obstacle	Review established process. Verify that OLS plan is established for each designated aerodrome. Review evidence to confirm effective and comprehensive implementation of the: a) Identification mechanism. b) Appropriate promulgation mechanism.	STD A14 Vol. I, 4.1 & 4.2 PANS Doc 9981 2.4.5 & 2.5.1.2 GM Doc 9137	

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.281	Does the State provide sufficient guidance to regulatory staff and the industry on obstacle control?	Review available guidance documents.	GM Doc 9734 Part A, 3.6 Doc 9774 App 1, 4.13	CE-5
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
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?	Review established process in use. Review evidence to confirm effective implementation.	RP A14 Vol. I, 4.3.1 & 4.3.2	CE-6
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.285	In the event of conflicting interests between land use and aviation authorities, what process is followed to ensure that aircraft safety is not compromised?	Review established process in use. Review evidence to confirm effective implementation.	RP A14 Vol. I, 3.1.1, 3.1.2, 3.1.3 & C4 GM Doc 9734 2.4, 2.5, 3.7 & 3.9 Doc 9774 4.3.3	CE-8
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
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?	Evaluate mechanism to ensure effective implementation. Review evidence to confirm.	STD A14 Vol. I, 9.7 PANS Doc 9981 2.1.2.2; Att. A to C2 & Att. C to C2, 5.11 GM Doc 9774 App. 1, 4.2	CE-6
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.289	Does the State ensure the implementation of the	1) Evaluate mechanism to ensure effective	STD	CE-6

	requirements for drivers to: 1) Be appropriately trained, 2) Comply with all mandatory or authorized instructions conveyed by markings, signs or lights when on the maneuvering area or apron, 3) Establish and maintain two-way radio communication with the control tower?	implementation. 2) Review evidence to confirm.	A11 3.8 A14 Vol. I, 9.7.2 to 9.7.5 GM Doc 9870	
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	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 2.1.2.2; Att. A to C2 & Att. C to C2, 5.3 GM Doc 9734 Part A, 2.4.7 Doc 9774 App. 1, 4.3	CE-6
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.293	Does the State ensure compliance with requirements for the periodic testing and review of aerodrome emergency plans?	Review evidence to confirm effective implementation. Check during aerodrome industry visit.	STD A14 Vol. I, 9.1.12 & 9.1.13 PANS Doc 9981 2.1.2.2; Att. A to C2 & Att. C to C2, 5.3 GM Doc 9774 App. 1, 4.3	CE-7

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
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 GM Doc 9734 Part A, 2.4.7	CE-6
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	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?	Review documented evidence of the requirements. Evaluate mechanism to ensure effective implementation. Review evidence to confirm.	RP A14 Vol. I, 9.1.7 to 9.1.11 GM Doc 9734 Part A, 2.4.7	CE-6
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.301	Does the State ensure the implementation of requirements for the provision of rescue and fire fighting (RFF) services at all aerodromes, which takes into account the aerodrome location and the surrounding terrain?	Evaluate mechanism used to ensure effective implementation, including for aerodromes located close to water/swampy areas. Check during aerodrome industry visit.	STD A14 Vol. I, 9.2.1 & 9.2.2	CE-7
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.303	Has the State promulgated regulations in accordance with Annex 14 for the determination of rescue and fire fighting (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	CE-2
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.305	Has the State established and ensured implementation of rescue and fire fighting (RFF) extinguishing agent specifications, including	Verify extinguishing agent specification requirements. Review evidence to confirm effective	STD A14 Vol. I, 9.2.11, 9.2.13,	CE-7

PQ No. 8.307	Protocol Question Has the State promulgated and ensured implementation of regulations prescribing the minimum number of rescue and fire fighting (RFF) vehicles, together with the associated building facilities and their location?	Guidance for Review of Evidence 1) Verify regulations. 2) Review evidence to confirm effective implementation. 3) Check during aerodrome industry visit.	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 ICAO References RP A14 Vol. I, 9.2.37, 9.2.38 & 9.2.41	CE CE-7
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
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?	Evaluate mechanism to ensure effective implementation. Review evidence to confirm.	RP A14 Vol. I, 9.2.39 & 9.2.40	CE-6
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.311	Has the State established and implemented a mechanism to ensure the implementation of requirements for minimum response times by the rescue and fire fighting (RFF) services?	Evaluate mechanism to ensure effective implementation. Review audit reports to confirm. 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 2.2 & Att. C to C2, 5.4	CE-7
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.313	Does the State ensure that emergency access roads are provided at aerodromes?	Evaluate mechanism to ensure effective implementation. Check during aerodrome industry visit.	RP A14 Vol. I, 9.2.34 to 9.2.36 PANS Doc 9981 App. 1 to C2, 2.2	CE-6
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE

8.315	Does the State ensure that aerodrome operators provide training for fire fighting personnel, including live fire drills?	 Verify national RFF training requirements. Review evidence to confirm effective implementation. Verify oversight of training and its assessment, including appropriate training for pressure-fed fuel fires and breathing apparatus, as applicable. Sample training records and audit reports. Check during aerodrome industry visit. 	STD A14 Vol. I, 9.2.42 & 9.2.43	CE-7
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.317	Does the State ensure that all responding fire fighting personnel be equipped with the necessary protective clothing and respiratory equipment?	 Review documented evidence of the available equipment. Confirm that the State has effective oversight of this provision. Check during aerodrome industry visit. 	STD A14 Vol. I, 9.2.46 PANS Doc 9981 App. 1 to C2, 2.2	CE-6
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
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?	 Review established RFF staffing requirements. Review evidence to confirm effective implementation. Check during aerodrome industry visit. 	RP A14 Vol. I, 9.2.44 & 9.2.45 PANS Doc 9981 App. 1 to C2, 2.2	CE-7
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	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?	Review documented evidence of a typical plan for the removal of disabled aircraft, including coordination functions. Confirm during aerodrome industry visit.	RP A14 Vol. I, 9.3.1 & 9.3.2 A13 C3 PANS Doc 9981 2.1.2.2; App. 1 to C2, 3.1; Att. A to C5 & Att. C to C2, 5.14 GM Doc 9774	CE-6

PQ No. 8.323 PQ No. 8.326	Protocol Question Does the State ensure that aerodrome operators establish and implement procedures for the timely removal of contaminants? Protocol Question With regard to maintenance, construction works or contaminants removal operations, does the State ensure that aerodrome operators develop and	Guidance for Review of Evidence 1) Evaluate mechanism to ensure effective implementation, if applicable. 2) Review evidence to confirm. Note: Contaminants may include snow, slush, ice, standing water, mud, dust, sand, oil and rubber deposits. Guidance for Review of Evidence 1) Review documented evidence of the requirements. 2) Evaluate mechanism to ensure effective	App. 1, 4.14 Doc 9137 Part 5 ICAO References STD A14 Vol. I, 10.3.1 & 10.3.6 RP A14 Vol. I, 10.3.2 to 10.3.5 PANS Doc 9981 App. 1 to C2, 3.1 ICAO References STD A14 Vol. I, 2.9.2	CE CE-6
	implement procedures for the safe return of a runway to operational status?	implementation. 3) Verity that the mechanism ensure that the concerned area is left in a satisfactory condition. 4) Review evidence to confirm.	GM Doc 9137 Part 8, 8.3.2 & 8.4.5	
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.327	Has the State promulgated regulations to require a wildlife (birds and animals) strike hazard study or assessment for each of its aerodromes?	Verify regulations.	STD A14 Vol. I, 9.4.1	CE-2
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
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	CE

8.329	Does the State collect and forward wildlife strike reports to ICAO?	 Review national procedure for recording wildlife strikes. Review established requirements. Evaluate mechanism to ensure effective implementation of the reporting and rectification action. Review evidence to confirm. 	STD A14 Vol. I, 9.4.2 GM Doc 9332 1.2.1	CE-8
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.331	Does the State ensure that aerodrome operators take appropriate action to decrease the hazard of wildlife strikes?	Evaluate mechanism to ensure effective implementation. Check action taken by aerodromes operators.	STD A14 Vol. I, 9.4.3 PANS Doc 9981 App. 1 to C2, 2.3 GM Doc 9774 2.2 d)	CE-6
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
PQ No. 8.333	Has the State promulgated a regulation to control the development of facilities likely to attract wildlife on or in the vicinity of an aerodrome?	1) Verify regulations. 2) Verity their promulgation at a level ensuring their required opposability to third parties, including land use and local authorities.	ICAO References STD A14 Vol. I, 9.4.4 RP A14 Vol. I, 9.4.5 GM Doc 9774 App. 1, 4.12	CE-2
8.333 PQ No.	Has the State promulgated a regulation to control the development of facilities likely to attract wildlife on or in the vicinity of an aerodrome? Protocol Question	1) Verify regulations. 2) Verity their promulgation at a level ensuring their required opposability to third parties, including land use and local authorities. Guidance for Review of Evidence	STD A14 Vol. I, 9.4.4 RP A14 Vol. I, 9.4.5 GM Doc 9774 App. 1, 4.12 ICAO References	CE-2
PQ No. 8.335	Has the State promulgated a regulation to control the development of facilities likely to attract wildlife on or in the vicinity of an aerodrome? Protocol Question 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) Verify regulations. 2) Verity their promulgation at a level ensuring their required opposability to third parties, including land use and local authorities. Guidance for Review of Evidence 1) Review established process which demonstrates a priority given to safety. 2) Review evidence to confirm effective implementation.	STD A14 Vol. I, 9.4.4 RP A14 Vol. I, 9.4.5 GM Doc 9774 App. 1, 4.12 ICAO References STD & RP A14 Vol. I, 9.4	CE-2 CE-8
8.333 PQ No.	Has the State promulgated a regulation to control the development of facilities likely to attract wildlife on or in the vicinity of an aerodrome? Protocol Question 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	1) Verify regulations. 2) Verity their promulgation at a level ensuring their required opposability to third parties, including land use and local authorities. Guidance for Review of Evidence 1) Review established process which demonstrates a priority given to safety. 2) Review evidence to confirm effective	STD A14 Vol. I, 9.4.4 RP A14 Vol. I, 9.4.5 GM Doc 9774 App. 1, 4.12 ICAO References STD & RP A14	CE-2

	ensure the safety of aircraft operations on apron		Vol. I, 9.5	
DO N	areas?	C'I e D' eE'I	ICAO D C	CE
PQ No. 8.339	Protocol Question 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	Review documented guidance.	RP A14 Vol. I, 9.5.1 & 9.5.2	CE CE-5
PQ No.	management service? Protocol Question	Guidance for Review of Evidence	ICAO References	CE
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 Att. A to C2 & Att. C to C2, 5.9	CE-7
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.345	Does the State ensure that aerodrome operators restrict the operation of personnel and vehicles on an apron during low visibility operations?	Evaluate mechanism to ensure effective implementation. Review evidence to confirm.	STD A14 Vol. I, 9.5.4 PANS Doc 9981 App. 1 to C2, 3.1 & Att. C to C2, 5.16	CE-6
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	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
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
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

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.361	Has the State promulgated regulations to require operators of certified aerodromes to implement an SMS and the SMS be made acceptable to the State responsible for the aerodrome's certification?	1) Review the regulations.2) Verify that the regulations are in compliance with Annex 19, Ch. 4, 4.1.1.	STD A19 3.1.3 f), 4.1.1 & 4.1.8 GM A19 Att. A, 2.1	CE-2
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.363	Has the requirement for certified aerodromes to have SMS in operation been implemented for all aerodromes receiving international flights?	1) Review documented evidence which demonstrates an SMS in operation at a certified aerodrome to confirm effective implementation, including safety performance indicators and associated targets agreed with the State. 2) Verify the status of phased implementation of SMS, if applicable.	STD & RP A14 Vol. I, 1.4.4 & 1.5 PANS Doc 9981 2.3.4 & 3.2 & App. 1 to C2, 3.2 GM Doc 9774 1.2.3 & C3, 3B.3.2 e) & 3D.4	CE-6
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
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, as part of SMS).	PANS Doc 9981 2.4.2 & 2.4.6 GM Doc 9774 3D.4.2 & App. 1, Part 5	CE-6
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
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, 3.3.7	CE-2
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE

8.369	Has the State developed and issued guidance for aerodrome operators and regulatory staff on the use of aeronautical studies/risk assessments and their evaluation?	Review guidance documents for the conduct and evaluation of aeronautical studies/risk assessments for aerodrome operators and regulatory staff.	PANS Doc 9981 2.4.4 & C3 GM Doc 9774 C3, 3.2, Section E & App. 3 Doc 9734 Part A, 3.3.7 & 3.6	CE-5
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.371	Is the regulatory technical staff trained in the acceptance and oversight of SMS, including aeronautical studies and risk assessments?	1) Review the curriculum of the SMS training provided and verify that it covers SMS acceptance and surveillance. 2) Ensure that it includes OJT (audit and aeronautical studies/risk assessment review). 3) Review training records to confirm effective provision of training.	GM Doc 9774 C3, 3.2, Section E & C4, 4.4.1 & App. 3 Doc 9734 Part A, 3.5	CE-4
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.373	Has the State established a process to review the validity of using an aeronautical study or risk assessment to justify an application for an exemption or exception as well as the continuing need?	1) Evaluate the process by which aeronautical studies/risk assessments are applied and how exceptions to requirements are managed and controlled to include: a) A regular review of exemptions or exceptions granted to assess their continued validity or whether the cause can be removed. b) A review of exemptions or exceptions 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. 2) Review evidence to confirm application of process. Note. – The term "exemptions" also includes	PANS Doc 9981 Sections 3.4 & 3.5 GM Doc 9774 C3, 3.2, Section E & App. 3 Doc 9734 Part A, 3.3.7	CE-5

		exceptions, waivers, deviations, variations or prolonged extensions.		
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
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 Section 3.5 GM Doc 9774 C3, 3.2, Section E & App. 3	CE-7
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
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 Section 3.6 GM Doc 9774 C3, 3.2, Section E & C4, 4.6 & App. 3 Doc 9734 Part A, 3.3.7	CE-8
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.381	Has the State promulgated regulations for the measurement and reporting to AIS of geographical coordinates for obstacles?	 Verify regulations. Review evidence to confirm effective implementation. 	STD A14 Vol. II, 2.4.5	CE-2
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.383	Has the State promulgated regulations for final approach and take-off areas (FATOs) for helicopters?	Verify regulations. Review evidence to confirm effective implementation.	STD A14 Vol. II, 3.1.1	CE-2
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.385	Does the State ensure the implementation of requirements for safety areas surrounding final	1) Evaluate mechanism to ensure effective implementation.	STD A14	CE-7

	approach and take-off areas (FATOs) for helicopters?	2) Sample inspection/audit reports to confirm effective implementation.	Vol. II, 3.1.14	
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.387	Does the State ensure the implementation of requirements relating to the obstacle limitation surfaces (OLS) and sectors?	 Review established requirements. Evaluate mechanism to ensure effective implementation. Sample inspection/ audit reports to confirm effective implementation. 	STD A14 Vol. II, 4.1	CE-7
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.389	Does the State ensure the implementation of requirements for wind direction indicators, including characteristics and location?	 Review established requirements. Evaluate mechanism to ensure effective implementation. Sample inspection/ audit reports to confirm effective implementation. 	STD A14 Vol. II, 5.1.1	CE-7
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.391	Does the State ensure the implementation of requirements for approach lighting at heliports, including characteristics and location?	 Review established requirements. Evaluate mechanism to ensure effective implementation. Sample inspection/ audit reports to confirm effective implementation. 	STD A14 Vol. II, 5.3.3.2 RP A14 Vol. II, 5.3.3.1	CE-7
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.393	Does the State ensure the implementation of requirements for touchdown and lift-off area lighting systems at heliports, including characteristics and location?	 Review established requirements. Evaluate mechanism to ensure effective implementation. 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	CE
8.395	Does the State ensure the implementation of requirements for visual approach slope indicators at heliports?	 Review established requirements. Evaluate mechanism to ensure effective implementation. Sample inspection/audit reports to confirm 	STD & RP A14 Vol. II, 5.3.5	CE-7

		effective implementation.		
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.401	Has the aerodrome regulatory authority developed and implemented procedures for the continuing surveillance of aerodrome certificate holders?	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. Review duly completed checklists and examples to confirm effective implementation.	PANS Doc 9981 2.5 GM Doc 9734 Part A, 3.8.4 Doc 9774 5.2.3 & 5.2.5	CE-7
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.403	Has the aerodrome regulatory authority developed and implemented a formal surveillance programme for the continuing supervision of the operations conducted by aerodrome certificate holders?	 Review surveillance programme/plan of previous and current year. Confirm appropriate frequency of inspection or other activity. Confirm inclusion of periodic and non-periodic audits and inspections. Surveillance to include all aspects of the certification and operation of an aerodrome. 	PANS Doc 9981 2.5 GM Doc 9734 Part A, 3.8 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	CE
8.405	Does the renewal or continuing validity of aerodrome certificates depend on the satisfactory outcome of regulatory surveillance activities?	 Review established requirement. Confirm evidence that surveillance results determine continued validity of the certificate. 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 2.3.6.3, 2.3.6.4 & 2.5 GM Doc 9734 Part A, 3.9.3 Doc 9774 2.2 d) & 5.2.3	CE-8

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.407	Does the State ensure that, as part of their SMS, aerodrome operators monitor and analyse safety occurrences and trends and take appropriate action?	Review the following evidence to confirm effective implementation: 1) Audit reports and follow-up action, 2) Reports from aerodrome operators on investigation/analysis/actions taken/safety recommendations following safety occurrences, 3) General correspondence, and 4) Input from aerodromes to the State.	PANS Doc 9981 2.4.3 GM Doc 9774 App. 1, Part 5 Doc 9859 C9	CE-8
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.409	Does the State enable the exchange of safety information across the aerodrome industry?	Review the following evidence to confirm effective implementation: 1) Analysis of aerodrome and State databases, 2) Safety information, bulletins and publications, and 3) Industry meetings, seminars or workshops.	PANS Doc 9981 2.4.3 GM Doc 9774 App. 1, Part 5	CE-8
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.411	Has the aerodrome regulatory authority developed and implemented procedures to deal with deficiencies found during aerodrome surveillance activities?	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 2.5.6, 2.5.7 & 2.5.8 GM Doc 9734 Part A, 3.9 Doc 9774 2.3 & 5.2.5	CE-8
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
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?	 Review examples of deficiencies identified and follow-up actions taken to ensure timely resolution. Review examples of enforcement action, if any. 	PANS Doc 9981 2.5.7 & 2.5.8 GM Doc 9734 Part A, 3.9	CE-8

PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.415	Has the State established and implemented a process for the management of conflicts between safety and environmental requirements?	Review documented process. Review evidence, if available, to confirm effective implementation. Confirm priority given to safety in sample cases, if available.	STD A16 Vol. I, Part V GM Doc 9734 Part A, 2.5.2 d) Doc 9774 4.3.2	CE-8
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.417	Has the State developed procedures to prioritize inspections, audits and surveys towards those areas of greater safety concern or need?	Review the procedures.	GM A19 Att. A, 3.3 Doc 9859 4.2.36, 4.2.37 & 4.4.17	CE-5
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.419	Is the prioritization of inspections and audits based on the analysis of safety risks or quality data?	Review the records of the prioritization.	PANS Doc 9981 2.5.3 to 2.5.8 GM A19 Att. A, 3.3 Doc 9859 4.2.36, 4.2.37 & 4.4.17	CE-7
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.501	Has the State established and implemented a mechanism for the periodic review of the SMS requirements to ensure they remain relevant and appropriate to the operators of certified aerodromes?	Review the mechanism established and the records of the periodic review.	GM A19 Att. A, 2.1 Doc 9859 4.4.14 a)	CE-2
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.503	Has the State developed guidance material on the implementation of SMS for its operators of certified aerodromes?	 Review the guidance material. Verify awareness of the guidance material during industry visit. 	GM A19 Att. A, 4.2 Doc 9859	CE-5

			4.4.19 b)	
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.505	Has the State established a process for the initial review and acceptance of the SMS of operators of certified aerodromes?	Review the established process. Verify that the established process includes verification that the aerodrome operator's SMS framework is in compliance with the State's SMS regulatory framework.	PANS Doc 9981 2.3.4.3 & 2.3.4.4 & App. 1 to C2, 3.2 & Att. B to C2, 1.3 & 2.6 GM A19 Att. A, 2.2 Doc 9859 4.4.11 b)	CE-5
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.507	Has the State established procedures for acceptance and monitoring of the safety performance indicators and the respective alert and target levels of the operators of certified aerodromes?	Review the procedures.	PANS Doc 9981 App. 1 to C2, 3.2 c)6) & Att. C to C2, 6)g) GM A19 Att. A, 2.2 Doc 9859 4.2.21, 4.2.23, 4.4.13 & 4.4.14 b)	CE-5
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.509	Has the State agreed with individual operators of certified aerodromes on their respective safety performance indicators (SPIs), alert levels and target levels?	 Verify that the SPIs, targets and alerts are: a) a combination of high and lower-consequence SPIs as appropriate; b) pertinent to the aviation activities of the aerodrome operator; c) consistent with other aerodrome operators of the same category; and d) congruent with the State's SSP aggregate safety indicators for the category. Verify that the agreed SPIs are commensurate with the scope and complexity 	PANS Doc 9981 App. 1 to C2, 3.2 c)6) & Att. C to C2, 6)g) GM A19 Att. A, 2.2 Doc 9859 4.2.21 & 4.4.13	CE-6

		of the specific operational context of the aerodrome operator. 3) Verify effective implementation.		
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.511	Does the State periodically review the agreed safety performance indicators (SPIs) to ensure that they remain relevant and appropriate to the operator of a certified aerodrome?	Verify that: 1) the regulator's process for subsequent periodic review of safety performance is made transparent to operators of certified aerodromes; 2) adjustments to previously agreed SPIs, target or alert settings are substantiated by appropriate safety data and documented; and 3) the aerodrome operator's action plans in relation to achievement of the targets and corrective action plans in case an alert level is reached are documented.	GM A19 Att. A, 2.2 Doc 9859 4.2.23, 4.4.13 & 4.4.14 b)	CE-7
PQ No.	Protocol Question	Guidance for Review of Evidence	ICAO References	CE
8.513	Does the State, as part of its surveillance programme, periodically assess the SMS of operators of certified aerodromes, including its hazard identification and safety risk management processes and its safety performance indicators (SPIs) and their relevant alert and target levels?	Verify that the surveillance programme includes periodic assessment of the SMS of operators of certified aerodromes, including: a) setting up with operators of certified aerodromes periodic review of the SMS requirements and related guidance material to ensure they remain relevant and appropriate to them; b) measuring the safety performance of the SMS through periodic reviews of the agreed safety performance and ensuring that the SPIs, targets and alert settings remain relevant to the aerodrome operator; c) ensuring that hazard identification and safety risk management processes follow established regulatory requirements and that	PANS Doc 9981 2.5.2, 2.5.4 & 2.5.5 GM A19 Att. A, 3.1 Doc 9859 4.4.14	CE-7

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safety risk controls are appropriately integrated into the aerodrome operator's SMS.		
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