



**Civil Aviation Authority, Bangladesh**

# **Aerodrome Inspection Checklist (AGA)**

**For**

**Flight Standard and Regulations Division**

**Version 2.0**

**April 2017**

**CAAB HQ, Kurmitola, Dhaka-1229**

**Bangladesh**

**CIVIL AVIATION AUTHORITY, BANGLADESH  
HEADQUARTERS, KURMITOLA, DHAKA  
Directorate of Flight Safety and Regulations**

**Aerodrome Inspection Checklist(AGA)**

Ref: CAAB ANO (AD) A.1 (MAS) & ICAO Annex 14.

<b>Name of Aerodrome:</b>					
<b>Date of Inspection:</b>		<b>From:</b>		<b>To:</b>	
<b>Type of Inspection</b>		<b>Surveillance/ Periodic/ Non-Periodic/Surprise Inspection.</b>			
<b>Aerodrome Inspector(s)</b>					
<b>Reference: Office Order</b>					
<b>CHAPTER 1 General</b>					
<b>MAS Ref.</b>	<b>Topic</b>	<b>Evaluation</b>			
		S= Satisfactory, U= Unsatisfactory, NA= Not available. [Tick (√) in the appropriate box]			
		S	U	NA	Recommendations/Remarks
1.2	Applicability				
1.3	Common reference systems				
1.4	Certification of Aerodrome				
1.5	Aerodrome Administration & Safety Management system.				
1.6	Airport design (Security measures are integrated into the design & construction of facilities?)				
1.7	Reference Code				
1.8	Sufficient/Adequate human resources(including an appropriate mix of technical disciplines)				
1.9	Qualified Manpower(Training & qualification)				
2.0	Training Records				
2.1	Any Additional Remarks/Observations				
<b>CHAPTER 2 Aerodrome data</b>					
<b>MAS</b>	<b>Topic</b>	<b>Evaluation</b>			

		S	U	NA	Recommendations /Remarks
2.1	Aeronautical data( Method used to verify the consistency & accuracy of data)				
2.2	Aerodrome reference point				
2.3	Aerodrome and runway elevations				
2.4	Aerodrome reference temperature				
2.5	Aerodrome dimensions and related information				
2.6	Strength of pavements				
2.7	Pre-flight altimeter check location				
2.8	Declared distances				
2.9	Condition of the movement area and related facilities				
2.10	Disabled aircraft removal Capability				
2.11	Rescue and fire fighting Category & Capability				
2.12	Bird Wildlife Hazard control & management capability.				
2.13	Visual approach slope indicator systems				
2.14	Procedure for Coordination between aeronautical information services(AIS) and aerodrome authorities				
2.14	Process for determining & providing information that runway be slippery when wet, including the minimum friction level for reporting of a slippery as specified in ANO or AC.				
2.15	Any Additional Remarks/Observations				

**CHAPTER 3**  
**Physical characteristics**

MAS Ref.	Topic	Evaluation			Recommendations /Remarks
		S	U	NA	
3.1	Runways				
3.1.1	Runway Overall slopes: Long: %; Trans: %				
3.2	Runway shoulders				
3.3	Runway Turn Pads				
3.4	Runway strips				
3.5	Runway end safety areas( RESA)				
3.5.1	RESA: length, width, slopes, strength				
3.6	Clearways				

3.7	Stop ways				
3.8	Radio altimeter operating area				
3.9	Taxiways				
3.10	Taxiway shoulders				
3.11	Taxiway strips				
3.12	Holding bays, runway-holding positions, intermediate holding positions and road-holding positions				
3.13	Aprons				
3.13.1	Aprons: size, strength, slopes, stand clearance distance				
3.14	Isolated aircraft parking position				
3.15	De-icing/anti-icing facilities				
3.16	Any Additional Remarks/Observations				
<b>CHAPTER 4</b>					
<b>Obstacle restriction and removal</b>					
MAS Ref.	Topic	Evaluation			Recommendations /Remarks
		S	U	NA	
4.1	Survey of Obstacle limitation surfaces?				
4.2	Obstacle limitation requirements?				
4.3	Objects in & outside the obstacle limitation Surfaces?				
4.4	The use of aeronautical studies/ risk assessments & their evaluation?				
4.5	Implemented a mechanism to assess the outcomes of the conduct of risk assessments or aeronautical studies?				
4.6	Objects outside OLS /Other objects				
4.7	Any Additional Remarks/Observations				
<b>CHAPTER 5</b>					
<b>Visual aids for navigation</b>					
MAS Ref.	Topic	Evaluation			Recommendations /Remarks
		S	U	NA	
<b>5.1</b>	<b>Indicators and signaling devices</b>				
5.1.1	Wind direction indicators				
5.1.2	Landing direction indicators				
5.1.3	Signaling lamp				
5.1.4	Signal panels and signal area				
<b>5.2</b>	<b>Markings</b>				

5.2.1	General				
5.2.2	Runway designation marking				
5.2.3	Runway centre line marking				
5.2.4	Threshold marking				
5.2.5	Aiming point marking				
5.2.6	Touchdown zone marking				
5.2.7	Runway side stripe marking				
5.2.8	Taxiway centre line marking				
5.2.9	Runway turn pad marking				
5.2.10	Runway-holding position marking				
5.2.11	Intermediate holding position marking				
5.2.12	VOR aerodrome check-point marking				
5.2.13	Aircraft stand markings				
5.2.14	Apron safety lines				
5.2.15	Road-holding position marking				
5.2.16	Mandatory instruction marking				
5.2.17	Information marking				
<b>5.3</b>	<b>Lights</b>				
5.3.1	General				
5.3.2	Emergency lighting				
5.3.3	Aeronautical beacons				
5.3.4	<b>Approach lighting system</b>				
5.3.4.1	Simple Approach Lighting System				
5.3.4.2	CAT I Lighting System				
5.3.4.3	CAT II/III Lighting System				
5.3.5	PAPI/VASIS				
5.3.6	Circling guidance lights				
5.3.7	Runway lead-in lighting systems				
5.3.8	Runway threshold identification lights				
5.3.9	Runway edge lights				
5.3.10	Runway threshold and wing bar lights				
5.3.11	Runway end lights				
5.3.12	Runway centre line lights				
5.3.13	Runway touchdown zone lights				

5.3.14	Simple touchdown zone lights				
5.3.15	Rapid exit taxiway indicator lights				
5.3.16	Stop way lights				
5.3.17	Taxiway centre line lights				
5.3.18	Taxiway edge lights				
5.3.19	Runway turn pad lights				
5.3.20	Stop bars				
5.3.21	Intermediate holding position lights				
5.3.22	De-icing/anti-icing facility exit lights				
5.3.23	Runway guard lights				
5.3.24	Apron floodlighting				
5.3.25	Visual docking guidance system				
5.3.26	Advanced Visual docking guidance system				
5.3.27	Aircraft stand maneuvering guidance lights				
5.3.28	Road-holding position light				
5.3.29	No-entry bar				
5.3.30	Wind Direction Indicator/Lighted				
5.3.31.	Lighting intensity and control system				
<b>5.4</b>	<b>Signs</b>				
5.4.1	General				
5.4.2	Mandatory instruction signs				
5.4.3	Information signs				
5.4.4	VOR aerodrome check-point sign				
5.4.5	Aerodrome identification sign				
5.4.6	Aircraft stand identification signs				
5.4.7	Road-holding position sign				
<b>5.5</b>	<b>Markers</b>				
5.5.1	General				
5.5.2	Unpaved runway edge markers				
5.5.3	Stop way edge markers				
5.5.4	Edge markers for snow-covered runways				
5.5.5	Taxiway edge markers				

5.5.6	Taxiway centre line markers				
5.5.7	Unpaved taxiway edge markers				
5.5.8	Boundary markers				
5.5.9	Any Additional Remarks/Observations				
<b>CHAPTER 6</b>					
<b>Visual Aids for denoting obstacles</b>					
MAS Ref.	Topic	Evaluation			
		S> Satisfactory, U> Unsatisfactory, NA> Not available. [Tick (√) in appropriate box]			
		S	U	NA	Recommendations /Remarks
6.1	Comply with regulations relating to marking and/or lighting of Obstruction?				
6.1.1	Marking of Obstacles/Objects(both on the aerodrome & in the vicinity of aerodrome)				
6.1.2	Lighting of Obstacles /Objects(both on the aerodrome & in the vicinity of aerodrome)				
6.2	Comply with regulations on the requirements to extinguish, screen or modify non-aeronautical lights which hazard to aircraft safety?				
6.3.	Any Additional Remarks/Observations				
<b>CHAPTER 7</b>					
<b>Visual aids for denoting restricted use areas</b>					
MAS Ref.	Topic	Evaluation			
		S> Satisfactory, U> Unsatisfactory, NA> Not available. [Tick (√) in appropriate box]			
		S	U	NA	Recommendations /Remarks
7.1	Closed runways and taxiways, or parts thereof				
7.2	Non-load bearing surfaces				
7.3	Pre-threshold area				
7.4	Unserviceable areas				
7.5	Any Additional Remarks/Observations				
<b>CHAPTER 8</b>					
<b>Electrical Systems</b>					
MAS Ref.	Topic	Evaluation			
		S> Satisfactory, U> Unsatisfactory, NA> Not available. [Tick (√) in appropriate box]			
		S	U	NA	Recommendations /Remarks
8.1	Electrical power supply systems for air navigational facilities				
8.2	Availability of primary power supply /Systems Design				
8.3	System to monitor operational status				

	of airfield lighting systems				
8.3.1	Secondary power supply for aerodrome visual aids				
8.3.2	Secondary power supply systems switch over times				
8.4	Any Additional Remarks/Observations				
<b>CHAPTER 9</b>					
<b>Aerodrome operational services equipment and installations</b>					
MAS Ref.	Topic	Evaluation			
		S> Satisfactory, U> Unsatisfactory, NA> Not available. [Tick (√) in appropriate box]			
		S	U	NA	Recommendations /Remarks
9.1	Aerodrome emergency planning				
9.1.1	Establishment & manning of EOC and Command posts & for communication btn them?				
9.2	<b>Rescue and fire fighting</b>				
9.2.1	Level/ Cat. Of ARFF protection Note: 700 mvmts in busiest consecutive three months				
9.2.2	Complementary agent provided?				
9.2.3	Response time: Not exceeding 3mins to any point of each operational Rwys,				
9.2.4	RFF personnel properly trained in RFF equipment– initial & recurrent? Recommendations for trng programme – Airport Services Manual Pt 1				
9.2.5	Human performance & team coordination trng required ?				
9.2.6	RFF personnel provided with Protective clothing & respiratory equipment? Equip recommended ASM Part 1 – helmet/gloves/boots/suit/mask,etc				
9.2.6.1	Training records for Fire Fighting Personnel, including fire drills, pressure fed fuel fires & breathing apparatus etc.				
9.2.7	Discharge rates of foam?				
9.2.8	RFF equip preventive maint system in place ?				
9.2.9	During Aerodrome Operations sufficient trained & qualified personnel available to operate RFF equipment at max. capacity to meet minimum response time & continuous agent application at the appropriate rate?				
9.2.10	2x foam on each foam capable vehicle ?				
9.2.11	Grid map on each vehicle ?				
9.2.12	200% of required agent maintained on apt.?				



9.2.13	Rescue equip on each vehicle ?				
9.2.14	Minimum No. of RFF vehicles available ?				
9.2.15	Alerting system between RFF and ATS ?				
9.2.16	Conduct of aerodrome emergency exercise as per the AEP				
9.2.17	Ability to handle emergencies in water & difficult terrain(if applicable)?.				
9.3	Disabled aircraft removing equipment				
9.4	Training records of RFF personnel including fire drills?				
9.5	Apron Management Service				
9.6	Ground servicing of aircraft				
9.7	Aerodrome vehicle operations				
9.8	Surface movement guidance and control systems				
9.9	Siting of equipment and installations on operational areas				
9.10	Fencing				
9.11	Security lighting				
9.12	Any Additional Remarks/Observations				
<b>CHAPTER 10</b>					
<b>Aerodrome Maintenance</b>					
<b>MAS Ref.</b>	<b>Topic</b>	Evaluation			
		S> Satisfactory, U> Unsatisfactory, NA> Not available. [Tick (√) in appropriate box]			
		S	U	NA	Recommendations /Remarks
10.1	General				
10.2	Pavements				
10.3	Runway pavement overlays				
10.3.1	Rubber deposit removal schedule & conditions as specified in Maintenance Manual?				
10.3.2	Pavement surface friction				
10.3.3	When hazards are identified, action taken to mitigate the hazard				
10.4	Maintenance schedule of Aerodrome operator as per Maintenance Manual.				

10.5	Procedure for evaluating the impact on the safety of the existing operation whenever a change to the aerodrome physical characteristics, facilities or equipment is proposed ?				
10.6	Does the aerodrome operator develop & implement maintenance programmes in the interests of safety, efficiency & regularity of aircraft operations?				
10.7	Does the aerodrome operator maintain good friction characteristic & low rolling resistance on runways?				
10.8	Any Additional Remarks/Observations				
<b>CHAPTER 11</b>					
<b>Nav. Aids</b>					
<b>MAS Ref.</b>	<b>Topic</b>	Evaluation			
		S> Satisfactory, U> Unsatisfactory, NA> Not available. [Tick (√) in appropriate box]			
		S	U	NA	Recommendations /Remarks
11.1	VOR				
11.2	DME				
11.3	NDB				
11.4	ILS				
11.5	Any Additional Remarks/Observations				
<b>CHAPTER 12</b>					
<b>Documents &amp; Information</b>					
<b>SN</b>	<b>Topic</b>	Evaluation			
		S> Satisfactory, U> Unsatisfactory, NA> Not available. [Tick (√) in appropriate box]			
		S	U	NA	Recommendations /Remarks
12.1	Aerodrome Manual ?				
12.2	SMS Manual ?				
12.3	Existence of aerodrome emergency planning?				
12.4	Aerodrome Maintenance Manual?				
12.5	As part of SMS does the the operator monitor & analyse safety occurrences and trends and inform to Regulator ?(investigation/analysis/actions taken/safety recommendations/ safety occurrences/etc.)				
12.6	Implementation of SMS ?				
12.7	Any Additional Remarks/Observations				

12.7	Any Additional Remarks/Observations				
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**Comments (If required) by Inspector:**

**Recommendations:**

**Signature of Aerodrome Inspector(s) with date:**



**Chy M Ziaul Kabir**  
Wing Commander  
Director

Flight Safety and Regulations CAAB, HQ