



RAASA

AIRSHOW SOUTH AFRICA

PRE-EVENT SAFETY AUDIT

EVENT:

DATE OF EVENT:

DATE OF AUDIT:

AUDITOR:

:

SECTION 1
AIRFIELD GENERAL INFORMATION

1.1	Is the general layout and appearance of the airfield OK for the event?	YES	NO
1.2	Direction of Primary Runway		
1.3	Direction of Secondary Runway		NA
1.4	Surface Primary Runway	Tar	Asphalt
1.5	Surface Secondary Runway	Tar	Asphalt
1.6	Length of Primary Runway & Elevation	Gravel	Cement
1.7	Length of Secondary Runway	Gravel	Cement
1.8	Is there a paved apron?	Grass	Grass
1.9	Is there adequate parking space for visiting and display aircraft?		
1.10	Are there taxiways?		
1.11	What is the runway width	13M	20M
1.12	What is the added width of the runway shoulders? (if any)	20M	30M
1.13	Is the runway condition safe for the planned operations?	5M	20M
1.14	If "NO" can it be repaired in time?	YES	NO
		If "NO" show can not go ahead	
1.14	Is there vegetation on or around the runway that may create a hazard?	YES	NO
1.15	If "YES" can it be removed in time?	YES	NO
		If "NO" show can not go ahead	
1.16	Is there at least one clearly visible windsock in good condition?	YES	NO
1.17	If "NO" can one be installed in time?	YES	NO
		If "NO" show can not go ahead	

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1.18	Are there any obstructions on the approach and climb out paths?	YES	NO
1.19	If "YES" is it a hazard which can not be resolved in time?	YES	NO
If "YES" show can not go ahead			
1.21	Are there adequate forced landing areas along the take off paths?	YES	NO
If "NO" consider whether show can go ahead			
1.22	Are there any obstructions on the approach and climb out paths?	YES	NO
1.23	If "YES" is it a hazard?	YES	NO
1.24	Can the hazard be removed?	YES	NO
If "NO" show can not go ahead			

COMMENTS and ACTIONS

SECTION 2
AIRSIDE GROUND MANEUVERING AREAS

2.1	Is their adequately sized, hard-surface pre-take-off holding areas at each runway?	YES	NO
2.2	If “NO” is it a requirement for the event operations?	YES	NO
If “YES” show can not go ahead			
2.3	Are the standard broken/solid demarcation lines painted at the runway entry point?	YES	NO
2.4	If “NO” can it be painted in time?	YES	NO
If “NO” show can not go ahead			
2.5	Is there ANY possibility of FOD damage due to the surface?	YES	NO
2.6	If “YES” can the surface be sealed / risks minimised?	YES	NO
If “NO” show can not go ahead			
2.7	Are the runway edges in good repair?	YES	NO
2.8	If “NO” is it a hazard to wheels and tyres?	YES	NO
2.9	Can the hazard be removed?	YES	NO
If “NO” show can not go ahead			
2.10	Are there adequate taxiways available?	YES	NO
2.11	If “NO”, will this a negatively influence safe taxying?	YES	NO
If “YES” show can not go ahead			
2.12	Are taxiways free of loose gravel, sand and stones?	YES	NO
2.12	If “NO” can the debris be removed	YES	NO
2.13	If “NO”, is this a hazard?	YES	NO
If “YES” show can not go ahead			
2.14	Are taxiway edges in good repair?	YES	NO
2.15	If “NO” can the edges be repaired?	YES	NO
2.16	If “NO” is this really a hazard?	YES	NO
If “YES” show can not go ahead			

2.17	Are taxiways wide enough?	YES	NO
If “NO” the risk must be assessed and a decision made.			
2.18	Is there a clearly visible, painted centre line on the taxiways?	YES	NO
2.19	If NO, is this really a hazard?	YES	NO
If “YES” show can not go ahead			

COMMENTS and ACTIONS:

SECTION 3
AIRFIELD SECURITY

3.1	Does the airfield have an intact perimeter fence?	YES	NO
If “NO” show can not go ahead			
3.2	Do animals and casual pedestrians have easy access to the airfield?	YES	NO
3.3	If “YES” can this be prevented during the show?	YES	NO
If “NO” show can not go ahead			
3.4	Is there a real danger of burrowing animals like Aardvark / Warthog entering or living on the airfield ?	YES	NO
3.5	Do their activities pose a real threat to aircraft ground movement?	YES	NO
If “YES” surveillance is required during the show			
3.6	Is there a danger of excessive and continuous bird activity?	YES	NO
If “YES” show can not go ahead			
3.7	Do emergency vehicles have access to and from the airfield?	YES	NO
3.8	If “NO”, can this be arranged for the show?	YES	NO
If “NO” show can not go ahead			
3.9	Will there be complete vehicle access control on the field at the day of the event?	YES	NO
If “NO” show can not go ahead			
3.10	Will all grass and hazardous vegetation on the airfield be cut for the event?	YES	NO
If “NO” show can not go ahead			
3.11	Would a veldt fire be rapidly brought under control?	YES	NO
If “NO” show can not go ahead			

COMMENTS and ACTIONS:

SECTION 4
FUEL AVAILABILITY AND STORAGE

4.1	Does the airfield have refueling facilities?	YES	NO
4.2	If "NO", does this detract from the safety of the show in any way?	YES	NO
If "YES" show can not go ahead			
4.3	Can these facilities be locked?	YES	NO
4.4	If "NO", is a proper control system in place?	YES	NO
If "NO" show can not go ahead			
4.5	Are the refuelers properly trained and competent?	YES	NO
4.6	If NO, can anything be done to improve this situation?	YES	NO
If "NO" show can not go ahead			
4.9	Are the fuel pumps serviceable and in good condition?	YES	NO
4.10	If "NO", can anything be done to improve this situation?	YES	NO
If "NO" show can not go ahead			
4.11	Are all pumps clearly and correctly marked?	YES	NO
4.12	If NO, will they be marked in time?	YES	NO
If "NO" pumps are not to be used			
4.13	Are all seals in the system in good order?	YES	NO
4.14	If "NO", can they be repaired?	YES	NO
If "NO" fuel tanks can not be used			
4.15	Is the condition of the grounding clips/plates of an acceptable standard?	YES	NO
4.16	If NO, can they be repaired?	YES	NO
If "NO" show can not go ahead			
4.17	Is the cleanliness and vegetation control of the fuel storage area of an acceptable standard?	YES	NO
4.18	If NO, can this be rectified?	YES	NO
If "NO" the risk must be assessed and a decision made			

4.19	Is there efficient fire-fighting equipment, available?	YES	NO
4.20	If “NO” can this be obtained?	YES	NO
If “NO” the fuel storing facility may not be used			
4.21	Is the entire fuel set-up regarded as safe?	YES	NO
If “NO” the refuelling facility may not be used			

COMMENTS and ACTIONS:

SECTION 5**AIRFIELD SUPPORT, AIRFIELD OWNERSHIP, LOCAL AUTHORITIES, CIVIC ASSISTANCE, ETC.**

5.1	Has ownership/administrator ship of the airfield been established?	YES	NO
5.2	If “NO”, this needs to be done immediately		
5.3	Has the owner / administrator agreed to the use for the event?	YES	NO
If “NO” show can not go ahead			
5.4	Will the owner/administrator assist in any required repairs?	YES	NO
5.5	If “NO”, can and will the organisers carry out any required repairs?	YES	NO
If “NO” show can not go ahead			
5.9	Are the local SAPS aware of the impending use of the airfield?	YES	NO
5.10	If “NO”, advise them		
5.11	Are they willing to assist with any accident/incident that might occur?	YES	NO
If “NO”, other measures need to be taken before show can go ahead			
5.12	Do the Police have mortuary facilities?	YES	NO
5.13	If “NO”, are other facilities readily available when local facilities are inadequate?	YES	NO
5.14	If “NO”, can other arrangements be made?	YES	NO
If no other measures can be taken the risk of a crisis is unacceptable			
5.15	Are the available facilities sufficient for a major catastrophe/foreseeable accident	YES	NO
5.16	If “NO”, can other arrangements be made?	YES	NO
If no other measures can be taken the risk of a crisis is unacceptable			
5.17	Do the local SAPS know how to secure a crash site?	YES	NO
If NO, they must be trained			
5.18	Are the Traffic authorities aware of the impending use of the airfield?	YES	NO

5.19	If “NO” they need to be briefed ASAP	YES	NO
5.20	Are they willing to assist in any contingency/accident/mishap that may occur?	YES	NO
5.21	If “NO” can other arrangements can be made?	YES	NO
If no other measures can be taken the risk of a crisis is unacceptable			
5.22	Does the use of the airfield in any way compromise any form of traffic activity?	YES	NO
5.23	If “YES” is this a hazard to air and ground traffic?	YES	NO
5.24	Can anything be done to minimize the risks?	YES	NO
If no other measures can be taken the risk of a crisis is unacceptable			
5.25	Are the local fire departments / authorities willing to assist with any accident/incident that may occur?	YES	NO
5.26	If “NO”, are other plans in place to provide fire services?	YES	NO
If no other measures can be taken the risk of a crisis is unacceptable			
5.27	Are their facilities/capabilities sufficient for a major catastrophe?	YES	NO
5.28	If “NO”, are other plans are in place to provide adequate fire fighting facilities	YES	NO
If no other measures can be taken the risk of a crisis is unacceptable			
5.29	Are other Fire Fighting facilities readily available in the event that local facilities are inadequate?	YES	NO
5.30	If NO, are other plans are in place to provide adequate fire fighting facilities	YES	NO
If no other measures can be taken the risk of a crisis is unacceptable			

5.31	Are they willing to assist with any accident/incident that may occur?	YES	NO
5.32	If “NO”, are other plans in place to provide fire services?	YES	NO
If no other measures can be taken the risk of a crisis is unacceptable			

5.33	Are they willing to work alongside the other fire-fighting organisation in the event of an emergency?	YES	NO
If NO, and this compromises the safety of the pilots/public, show cannot go ahead			
5.34	Do the emergency services have direct contact with the airfield/control tower?	YES	NO
If NO, this must be remedied before the show			

MEDICAL SERVICES

5.35	Will appropriately trained medical personnel be “on site” for the duration of the show?	YES	NO
If “NO”, show cannot go on.			
5.36	Will a CASEVAC helicopter/fixed wing aircraft be available during the show?	YES	NO
If “NO”, show cannot go on.			
5.37	Is there a local hospital near the airfield?	YES	NO
5.38	If NO, is adequate transport capabilities in place for transport to the nearest hospital?	YES	NO
If “NO”, show cannot go on.			
5.39	Are they willing to assist with any accident/incident, which may occur?	YES	NO
If “NO”, satisfactory arrangements must be in place before the show can go ahead.			
5.40	Are they willing to assist with any accident/incident, which may occur?	YES	NO
If “NO”, satisfactory arrangements must be in place before the show can go ahead.			
5.41	Can the hospital cope with any serious accident/incident?	YES	NO
5.42	If “NO”, where is the nearest hospital with adequate equipment?		
5.43	Are their facilities/capabilities sufficient for a major catastrophe?	YES	NO
If “NO” adequate alternative arrangements must be made before the show can go ahead.			
5.44	Are they willing to work with any other medical organisation, in the event of an emergency?	YES	NO
If “NO” adequate alternative arrangements must be made before the show can go ahead.			

AIR TRAFFIC CONTROL

5.45	Is the local Air Traffic Control on the airfield adequate for the show?	YES	NO
5.46	If “NO” has a request for qualified ATC personnel to be provided for the show been lodged with ATNS management.?	YES	NO
5.47	Has this been arranged?	YES	NO
If “NO” adequate arrangements must be made before the show can go ahead.			
5.48	Are ATNS/local ATC aware of the impending use of the airfield?	YES	NO
If “NO” adequate arrangements must be made before the show can go ahead.			
5.49	Have all ATNS regulations been satisfied?	YES	NO
If “NO” adequate arrangements must be made before the show can go ahead.			

RAASA AIR SHOW REGULATIONS

5.50	Have all RAASA regulations been satisfied?	YES	NO
If “NO” all requirements must be met before the show can go ahead.			

OTHER

5.51	Have all CAA regulations been satisfied?	YES	NO
If “NO” adequate arrangements must be made before the show can go ahead.			
5.52	Are crowd aircraft/separations sufficient?	YES	NO
If “NO” adequate arrangements must be made before the show can go ahead.			
5.53	Is a comprehensive Emergency response plan in place?	YES	NO
If “NO” adequate arrangements must be made before the show can go ahead.			
5.54	Is an acceptable security plan in place?	YES	NO
If “NO” adequate arrangements must be made before the show can go ahead.			
5.55	Is the public address system efficient for crowd control?	YES	NO
If “NO” adequate arrangements must be made before the show can go ahead.			

COMMENTS and ACTIONS:

RISKS WHICH HAVE BEEN IDENTIFIED DURING THE AUDIT

<u>IDENTIFIED RISK</u>	<u>PROBABILITY</u> <u>X:(1-5)</u>	<u>SEVERITY</u> <u>Y:1-5</u>	<u>HAZARD</u> <u>LEVEL</u> <u>(“X” times “Y”)</u>

Other (if space provided is not enough use blank page and attach to the document)

RECOMMENDATIONS & HAZARD RESOLUTION ACTIONS TAKEN
(if space provided is not enough use blank page and attach to the document)
to lessen risks /eliminate hazards.

Risk Management action plans to be confirmed prior to approval of event.

Signed:

Safety Director / Flight Director