

NIGERIAN SAFETY INVESTIGATION BUREAU



SAFETY HOUSE, NNAMDI AZIKIWE INTERNATIONAL AIRPORT P.M.B. 7009 GARKI FCT- ABUJA; NIGERIA

INVESTIGATION EVENT MANAGEMENT CHECKLIST – EVENT 23: EVACUATION OPERATIONS

INVESTIGATION NUMBER	AIRCRAFT TYPE / REGISTRATION MARKS/ OPERATOR
DATE	COMPLETED BY

S/N	Evacuation Operations (Event 9 Refers)	Time	Action started	Action completed
1	From information derived from survivors' interviews and/or the cockpit voice recorder, determine and record the following pre-accident actions:			
A	– General briefing of the passengers regarding the various safety and rescue equipment at their disposal, in part and such as seat belt, oxygen supply, and life jacket;			
B	– Member(s) of the crew who gave the briefing, time of the briefing, its intelligibility and audibility (pertinent language[s]) to all passengers;			
C	– Special instructions given regarding the removal of dangerous articles, in part and such as spectacles, ties, and shoes; the tightening of seat belts; the cushioning of each passenger in part and such as with pillows and blankets; and clarity and understanding of these instructions;			
D	– Special instructions regarding emergency exits, measures taken to free the access to all emergency exits;			
E	– Type of the emergency equipment available, in part and such as portable fire extinguishers, axes, crowbars, flashlights, and first-aid kits;			
F	– Measures taken by the crew with respect to the emergency equipment; and			
G	– Assistance provided by passengers, either requested, offered or given, and behaviour and morale of the passengers prior to the accident.			
2	Evaluate the crew training and implementation of emergency procedures, particularly by cabin crew members, as well as the adequacy of these procedures;			
3	In the case of ditching, evaluate the following:			
	– Special instructions on the location, donning and use of life jackets;			
A	– Action by the crew to ensure that each passenger had properly donned and adjusted the life jacket;			
B	– Precaution to have extra life jackets available near the emergency exits; and			
C	– Special instructions given to the passengers regarding which life raft, when, and how to board after the ditching.			
4	Determine the relationship to regulatory requirements of the following items and assess their adequacy:			
A	– Number, location and design of emergency exits;			
B	– Presence of placards near each exit;			
C	– Clear and readable instructions on the operation of the opening mechanisms, including location and lighting;			

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D	– Number and location of exits used, number of persons who used each exit, and reasons for not using a particular exit;			
E	– The emergency equipment used, in part and such as portable extinguishers, axes, escape ropes, and chutes;			
F	– Presence and effectiveness of instructions on how to use the equipment;			
G	– Adequacy and functioning of the equipment; and			
H	– Additional equipment that would have been helpful.			
5	The following information should be recorded:			
A	– Passengers injured in relation to their location;			
B	– Injuries sustained during the evacuation;			
C	– Help provided by the crew, passengers and third parties;			
D	– Time required to complete the evacuation, by exit if relevant;			
E	– Difficulties encountered such as:			
F	– language problems;			
G	– presence of fire and smoke;			
H	– failure of emergency lighting;			
I	– abnormal position of aircraft;			
J	– distance from the ground;			
K	– aged, infirmed or infant passengers;			
L	– injured passengers;			
M	– panic among passengers or crew; and			
N	– debris, including luggage.			

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O	– In the case of ditching:			
P	– water conditions, such as roughness and temperature;			
Q	– light conditions;			
R	– type and number of life jackets available;			
S	– number of passengers inflating life jackets prior to egress;			
T	– effectiveness of life jackets;			
V	– difficulties in locating passengers;			
W	– type and number of life rafts used, including position in the aircraft, difficulties in launching, inflating,			
X	locating and boarding;			
Y	– number of survivors in each raft;			
Z	– adequacy of instructions on use of rafts and life-saving equipment.			
6	Evaluate the effectiveness of the following:			
A	– Emergency escape hatches;			
B	– Emergency lights;			
C	– Fire extinguishers;			
D	– Fire extinguishing systems;			
E	– Fire detectors or alarms;			
F	– Megaphone(s);			
G	– Oxygen bottles;			
H	– Smoke mask(s) and oxygen bottle(s);			

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I	– Smoke hoods and personal breathing equipment;			
J	– Flashlights;			
K	– Escape tapes/reels;			
L	– Vivopak/Physician’s kit;			
M	– Medical kit;			
N	– First aid kit;			
O	– Resuscitation mask;			
P	– Protective gloves;			
Q	– Search mirror; and			
R	– Portable radio beacons.			

