




QUICK REFERENCE HANDBOOK

A380-861

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Fire and Smoke Protection ABN-1

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Back Cover ABN--

EMER EVAC.....C3



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**ABNORMAL AND
EMERGENCY PROCEDURES
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SMOKE/FUMES

LAND ASAP

APPLY IMMEDIATELY :

- CREW OXY MASKS (if required).....USE/100%/EMER
- CAB FANS..... OFF
- GALLEY.....OFF
- SIGNS..... ON
- CKPT/CABIN COM..... ESTABLISH

● **IF SMOKE SOURCE IMMEDIATELY OBVIOUS ACCESSIBLE AND EXTINGUISHABLE :**

SMOKE SOURCE..... ISOLATE

● **IF SMOKE SOURCE NOT IMMEDIATELY ISOLATED :**

DIVERSION..... INITIATE
 DESCENT TO FL 100 or MEA-MORA..... INITIATE

● **At ANY TIME of the procedure, if smoke/fumes becomes the GREATEST THREAT :**

REMOVAL OF SMOKE/FUMES (QRH 1.07).....
 CONSIDER

● **At ANY TIME of the procedure, if situation becomes UNMANAGEABLE :**

IMMEDIATE LANDING..... CONSIDER



SMOKE/FUMES (Cont'd)



- **If the source of smoke is suspected from :**
 AIR COND.....APPLY QRH 1.03
 CABIN EQUIPMENT..... APPLY QRH 1.03
- **If the source of smoke is from AVIONICS with ECAM alert :**
 R MAIN AVNCS SMOKE.....APPLY QRH 1.04
 L MAIN or L UPPER AVNCS SMOKE.....
 APPLY QRH 1.05
 Other AVNCS SMOKE ECAM alert.....
 No further action
- **If the source of smoke cannot be identified :**
 To isolate RIGHT electrical side.....
 APPLY QRH 1.04
 To isolate LEFT electrical side.....
 APPLY QRH 1.05
- **If smoke persists :**
 EMER ELEC CONFIGURATION.....
 APPLY QRH 1.06



SMOKE/FUMES (Cont'd)



● **IF AIR COND SMOKE SUSPECTED :**

APU BLEED..... OFF
 VENT AVNCS EXTRACT..... AUTO
 XBLEED..... CLOSE
 PACK 1..... OFF

● **If smoke continues :**

PACK 1..... ON
 PACK 2..... OFF

● **If smoke persists :**

PACK 2..... ON
 XBLEED..... AUTO
 REMOVAL OF SMOKE/FUMES (QRH 1.07)....
 CONSIDER

● **IF CABIN EQUIPMENT SMOKE :**

PAX SYS..... OFF

● **If smoke continues :**

EMER EXIT LT..... ON
 COMMERCIAL 1+2..... OFF
 SMOKE DISSIPATION CHECK
 FAULTY EQPT..... SEARCH/ISOLATE

● **If smoke persists or when faulty equipment confirmed isolated :**

PAX SYS..... ON
 COMMERCIAL 1+2..... NORM
 REMOVAL OF SMOKE/FUMES (QRH 1.07)....
 CONSIDER



SMOKE/FUMES (Cont'd)



● **IF SMOKE SOURCE CANNOT BE DETERMINED AND STILL CONTINUES OR AVNCS/ELECTRICAL SMOKE SUSPECTED :**

● **In case of R MAIN AVNCS SMOKE or To Isolate AC BUS 3+4 :**

- VHF 1..... USE
- XPDR/TCAS..... SYS 1
- VENT AVNCS EXTRACT..... OVRD
- GEN 1+2..... CHECK ON
- AC ESS FEED..... CHECK NORM
- APU GEN A+B..... OFF
- ATT HDG..... F/O ON 3
- AIR DATA..... F/O ON 3
- BUS TIE..... OFF
- RH cockpit lights are lost when GEN 3+4 OFF
- GEN 3+4..... OFF
- SMOKE DISSIPATION..... CHECK

● **If smoke continues:**

- GEN 3+4..... ON
- ATT HDG..... KEEP F/O ON 3
- After 1 min: AIR DATA..... NORM
- NSS MASTER SW..... OFF
- AC ESS FEED..... ALTN
- AP sidestick locking device and LH Cockpit lights are lost when GEN 1+2 OFF
- GEN 1+2..... OFF
- SMOKE DISSIPATION..... CHECK



SMOKE/FUMES (Cont'd)



● **If smoke persists :**

GEN 1+2..... ON
AC ESS FEED..... NORM
BUS TIE..... AUTO
EMER ELEC (QRH 1.06)..... CONSIDER
REMOVAL OF SMOKE/FUMES (QRH 1.07)
..... CONSIDER

● **If smoke stops :**

ECAM ACTIONS..... PERFORM



SMOKE/FUMES (Cont'd)



● **IF SMOKE SOURCE CANNOT BE DETERMINED AND STILL CONTINUES OR AVNCS/ELECTRICAL SMOKE SUSPECTED (CONT'D):**

● **In case of L MAIN or L UPPER AVNCS SMOKE or To Isolate AC BUS 1+2 :**

NSS MASTER SW.....	OFF
VHF1.....	USE
XPDR/TCAS.....	SYS 1
VENT AVNCS EXTRACT.....	OVRD
GEN 3+4.....	CHECK ON
AC ESS FEED.....	ALTN
APU GEN A+B.....	OFF
BUS TIE.....	OFF

AP sidestick locking device and LH Cockpit lights are lost when GEN 1+2 OFF

GEN 1+2.....	OFF
SMOKE DISSIPATION.....	CHECK

● **If smoke continues :**

GEN 1+2.....	ON
AC ESS FEED.....	NORM
ATT HDG.....	F/O ON 3
AIR DATA.....	F/O ON 3

RH cockpit lights are lost when GEN 3+4 OFF

GEN 3+4.....	OFF
SMOKE DISSIPATION.....	CHECK

● **If smoke persists :**

GEN 3+4.....	ON
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SMOKE/FUMES (Cont'd)



BUS TIE.....AUTO
ATT HDG.....KEEP F/O ON 3
After 1 min : AIR DATA..... NORM
EMER ELEC (QRH 1.06)..... CONSIDER
REMOVAL OF SMOKE/FUMES (QRH 1.07)
..... CONSIDER

● **If smoke stops:**

ECAM ACTIONS..... PERFORM



SMOKE/FUMES (Cont'd)



● **TO SET ELEC EMER CONFIG :**

CABIN CREW..... ADVISE
 VHF1..... USE
 XPDR/TCAS..... SYS1
 WXR/TAWS..... SYS1
 RAT MAN ON..... PRESS

AP is lost when all GENs OFF.

● **WHEN RAT AVAIL :**

GEN 1+4..... OFF
 GEN 2+3..... OFF
ELEC EMER CONFIG..... APPLY

*Apply ELEC EMER CONFIG ECAM procedure
 EXCEPT the items "GENs OFF THEN ON" and
 "APU CONSIDER", if displayed.*

REMOVAL OF SMOKE/FUMES

EMER EXIT LT..... ON
 AIR FLOW..... HI
 ATC..... NOTIFY FOR DESCENT
 DESCENT TO FL 100 or MEA-MORA INITIATE

● **IF COCKPIT AFFECTED:**

ALL CARGO ISOL VALVES..... OFF
 CABIN ALT MODE..... MAN
 CABIN ALT TRGT..... 10000 FT/MEA-MORA
 CABIN V/S MODE..... MAN
 CABIN V/S TRGT..... 1000 FT/MIN
 SMOKE/FUMES procedure..... CONTINUE

● **At FL 100/MEA-MORA:**

PACK 1+2..... OFF
 RAM AIR..... ON

● **If smoke continues:**

MAX SPEED : 230 KT
 CKPT DOOR OR DOOR FLAP..... OPEN
 HEADSETS..... ON
 CKPT WINDOW (PM)..... OPEN

● **When window is open:**

PACKS (NOT AFFECTED)..... ON
 VISUAL WARNING (noisy cockpit).....
 MONITOR
 SMOKE/FUMES procedure..... CONTINUE

● **IF COCKPIT NOT AFFECTED:**

COCKPIT NOT AFFECTED..... APPLY QRH 1.08



REMOVAL OF SMOKE/FUMES (Cont'd)**● IF COCKPIT NOT AFFECTED AND ONLY UPPER DECK AFFECTED:**

CABIN ALT MODE.....AUTO
CABIN V/S MODE.....AUTO
CABIN AIR EXTRACT..... OVRD
SMOKE/FUMES procedure..... CONTINUE

● IF COCKPIT NOT AFFECTED AND ONLY MAIN DECK AFFECTED:

VENT AVNCS EXTRACT..... OVRD
ALL CARGO ISOL VALVES..... OFF
SMOKE/FUMES procedure..... CONTINUE

SMOKE/FIRE FROM LITHIUM BATTERY

If necessary, transfer control to the flight crew member seated on the opposite side of the fire.

CKPT/CAB COM..... ESTABLISH
STORAGE AFTER Li BAT FIRE cabin procedure.....
..... REQUEST INITIATION

● If there are flames:

CREW OXY MASK (PF)..... USE
SMOKE HOOD (PM)..... USE
HALON EXTINGUISHER..... USE

● If there are no flames or when flames are extinguished:**■ If not possible to remove device from the cockpit:**

WATER or NON-ALCOHOLIC LIQUID.....
..... POUR ON DEVICE
DEVICE..... MONITOR

■ If possible to remove device from the cockpit:

DEVICE..... TRANSFER TO CABIN

● AT ANY TIME of the procedure, if SMOKE becomes the GREATEST THREAT:

REMOVAL OF SMOKE/FUMES (QRH 1.07).....
..... CONSIDER

● AT ANY TIME of the procedure, if situation becomes UNMANAGEABLE:

IMMEDIATE LANDING..... CONSIDER



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**ABNORMAL AND
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EMER EVAC**● WHEN AIRCRAFT STOPPED:**

PARK BRK.....ON
ATC..... NOTIFY
CABIN CREW.....ALERT
PACK 1+2..... OFF
ALL ENG MASTER LEVERS.....OFF
ALL FIRE P/Bs (ENG & APU).....PUSH
ALL AGENTS (ENG & APU)..... AS RQRD

● IF EVACUATION REQUIRED:

EVAC (PA)..... ANNOUNCE
EVAC COMMAND..... ON
ALL 4 BATs.....OFF

● IF EVACUATION NOT REQUIRED

CABIN CREW AND PASSENGERS..... ADVISE



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