LIST OF ALL DC BUSES AND WHAT THEY POWER

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DC BUS 1

SYSTEM	FUNCTION
AIR CONDITIONING	• - DUCT/COMPT Cockpit and cabin Temperature IND • - Automatic Pressure CTL • - TURBO FAN SOV 1 CTL • - EXTRACT FAN PWR SPLY (Back-up DC BUS 2) • - RECIRC FAN PWR
COMMUNICATIONS	• - SELCAL (if installed) • - HF 1 (if installed) • - OBSVR AUDIO SYS • - CABIN VIDEO (if installed)
FLIGHT CONTROLS	• - SPOILERS IND • - STICK PUSHER PWR and CTL • - CAPT STICK SHAKER
FUEL	• - LP VALVE 1 NORM SPLY
ICE RAIN PROTECTION	• - CAPT STATIC PROBES • - STBY STATIC PROBES • - L SIDE WINDOW AI PWR and CTL • - R WINDSHIELD HTG IND
INDICATING / RECORDING	• - MFC 1B NORM SPLY • - DFDR BRAKE FTU • - DU 3 EWD • - CAPT DU 1 PFD
LIGHTS	• - CABIN – LAT LT (LEFT) • - CAPT NORM LT (DOME, MIP, CHARTHOLDER, STORM) • - F/O DOME (Normal) • - NAV ALT SPLY (Back-up DC SVCE BUS) • - ANN LT TEST • - BEACON ALT SPLY (Back-upDC SVCE BUS) • - LMU – PED & LT
NAVIGATION	• - WXR • - TAWS ADVISORY • - DME1 • - AHRS 2 AUX SPLY FLT Back-up: o DC BUS 2, IN FLIGHT (Primary) o DC EMER BUS, ON GROUND (Auxiliary) • - FERRY INS 1 (if installed) • - CLEARVISION SYSTEM
PNUEMATIC	• - ENG 1 BLEED – SO VALVES - HP 1 • - X FEED • - ENG 1&2 - BLEED LEAK CAUTION

SYSTEM	FUNCTION
INFO SYSTEMS	• - EFB 1 (if installed)
PROPELLERS	• - ENG 1 AFU • - ENG 1&2 - PROP FEATH - BALANCE TEST • - ENG 1 OVSPD SOLENOID
ENGINE FUEL AND CTL	• - ENG 1 - EEC NORM SPLY • - IDLE GATE SOL
ENGINE INDICATION	• - ENG 1 - OIL PRESS/TEMP

DC BUS 2

SYSTEM	FUNCTION
AIR CONDITIONING	- TURBO FAN SOV 2 CTL - EXTRACT FAN NORM SPLY - RECIRC FAN PWR
COMMUNICATIONS	- VHF 2 - ACARS CMU - VHF 3 (if installed) - DOOR VIDEO (if installed)
FIRE PROTECTION	- NAC 1 and 2 OVHT DET
FLIGHT CONTROLS	- R STBY PITCH TRIM - F/O STICK SHAKER/ RUDDER TLU AUTO CTRL
FUEL	- LP VALVE 2 NORM SPLY
HYDRAULIC POWER	- DC AUX HYD PUMP NORM PWR, CTRL and IND in flight
ICE AND RAIN PROTECTION	- VALVE HTG CTRL - SO and REG VALVES 1 and 2 - ENG 2 & AFR - BOOTS B NORM SPLY and V HTG CTL - F/O WIPER - F/O STATIC PROBES - F/O PROBES IND - L WINDSHIELD HTG IND - R SIDE WINDOW AI PWR and CTRL
INDICATING / RECORDING	- F/O CLOCK NORM SPLY - DFDR BRAKE FTU - F/O MCDU - F/O DU 5 PFD - MFC 2B NORM SPLY

SYSTEM	FUNCTION
LANDING GEAR	- WOW SYS 2 - Secondary IND
LIGHTS	- BELTS & NO SMKG - WING - F/O NORM LT (UTILITY SPOT & FLOOD, CHARTHOLDER) - TAXI and TO CTL - CABIN - LAT LT (RIGHT) - FLT COMPT - OVHD - LMU
NAVIGATION	- DME 2 (if installed) - VOR 2 - AHRS 1 AUX SPLY (Back-up of DC EMER BUS) - AHRS 2 NORM SPLY - FERRY INS 2 PWR SPLY - ADC 2 / ICP F/O FLT SPLY - T3CAS - GPS 2 (if installed)
PNUEMATIC	- ENG 2 BLEED - SO VALVES - HP
INFO SYSTEMS	- EFB 2 (if installed)
DOORS	- CAUTION - CDU & LATCHES SPLY
PROPELLERS	- ENG 2 AFU - ENG 2 OVSPD SOLENOID
ENGINE FUEL AND CTL	- ENG 2 - EEC NORM SPLY - IDLE GATE CAUTION - RATING (if installed) - ERIU SPLY
ENGINE INDICATION	- ENG 2 - OIL PRESS/TEMP

HOT EMER BAT BUS

SYSTEM	FUNCTION
ELECTRICAL POWER	- EMER BAT AMP IND - EMER BAT VOLT IND - EMER BAT ARROW
FUEL	- LP VALVES 1 and 2 (Back-up DC BUS 1 & DC BUS 2)
INDICATING / RECORDING	- MFC 1A AUX SPLY (Back-up DC ESS BUS) - F/O DU 4 MFD AUX - ADC 1 / ICP CAPT HOT SPLY
NAVIGATION	- IESI EMER SPLY

HOT MAIN BAT BUS

SYSTEM	FUNCTION
ELECTRICAL POWER	- MAIN BAT AMP IND - MAIN BAT IND ARROW - MAIN BAT VOLT IND
FIRE PROTECTION	- ENG FIRE EXTINGUISHING CTL and IND (Back-up DC EMER BUS)
HYDRAULIC POWER	- DC AUX HYD PUMP GND PWR, CTRL and IND (Back-up DC BUS 2)
INDICATING / RECORDING	- MFC 2A AUX SPLY (Back-up DC EMER BUS) - CAPT DU 2 MFD AUX
LIGHTS	- COMPT LT - ENTRANCE LIGHTS
PROPELLERS	- PROP FEATH PUMP PWR SPLY - ENG 1 & 2
ENGINE FUEL AND CTL	- EEC 1 & 2 ALTN SPLY

DC EMER BUS

SYSTEM	FUNCTION
AIR CONDITIONING	- OVERBOARD and UNDERFLOOR VALVES CTL and IND and AIR COOLING HIGH FLOW IND - PNEUMATIC OUTFLOW VALVES - DITCH PNEUMATIC OUTFLOW VALVES - APS and CAB PRESS MOD SEL IND
AUTO - FLIGHT	- FGCP C1/IOM-AP 1
COMMUNICATIONS	- VHF 1 - F/O COCKPIT AMPLIFIER - MCPCM1
ELECTRICAL	- GCU 1 DC (Back-up) - AC BUS OFF 1 and 2 IND - ACW BUS OFF 1 and 2 IND - INV FAULT 1 IND - DC BUS OFF 1 and 2 IND - BPCU DC (Back-up) - DC STBY BUS IND (UNDV - OVRD) - EMER BAT: CHG IND - AC 1 BUS CTL (BUS REMAINS SUPPLIED BY INV 1) - DC STBY BUS CTL (BUS REMAINS SUPPLIED BY DC BUS 1)

SYSTEM	FUNCTION
FIRE DETECTION	- ENG FIRE EXTINGUISHING CTL and IND (Normal) - FIRE HANDLE IND ENG 1 and 2 - FIRE DETECTION ENG 1 and 2 (and WARNING on CL 1 and CL 2)
FLIGHT CONTROLS	- NORMAL and L (Left) STBY PITCH TRIM - RUDDER TRIM - AILERON TRIM - TLU POS IND - PITCH TRIM PWR TRIM BOX - YAW TRIM PWR TRIM BOX - RUDDER TLU MAN CTRL
FUEL	- LP VALVE 1 and 2 IND - LP VALVE 1 and 2 AUX SPLY (Back-up DC BUS 1&2)
HYDRAULIC POWER	- BLUE PUMP CTL and IND - GREEN PUMP IND
ICE & RAIN PROTECTION	- AAS / BOOTS A and B IND - ENG 1 & AFR - BOOTS A SPLY - ENG 1 & AFR - BOOTS B EMER SPLY - ANTI/ DE ICING - PROPELLERS 1 and 2 CTL and IND - ANTI/ DE ICING - HORNS IND and CTL
INDICATING / RECORDING	- FDAU (ON GROUND) - MFC 1B AUX SPLY (Back-up of DC BUS 1) - MFC 2A NORM SPLY - MFC 2B AUX SPLY (Back-up of DC BUS 2) - CAPT DU 2 MFD NORM SPLY - EFCP CAPT - CAPT MCP
LANDING GEAR	- WHL A/SKID - NOSE WHEEL STRG - WOW SYS 1
LIGHTS	- CAPT and F/O EMER LT (PYLON, STBY COMPASS, LAVATORY, FRONT PANELS) - F/O DOME (Back-up of DC BUS 1)
NAVIGATION	- XPDR1 - AHRS 2 AUX SPLY GND (Back-up of IN FLIGHT: o DC BUS 2, Primary o DC BUS 1, Auxiliary) - AHRS 1 NORM SPLY - ADC 1 / ICP CAPT EMER SPLY - ADC 2 / ICP F/O GND SPLY
AVNX (IMA)	- CPM 1

SYSTEM	FUNCTION
ENGINE FUEL AND CTL	- ENG 1 & 2 - EEC - EMER SPLY (Back-up of DC BUS 1 & 2) - ENG 1 & 2 - EEC - CTL & CAUTION - RATING - CAUTION - RATING - ERIU SPLY

DC ESS BUS

SYSTEM	FUNCTION
AIR CONDITIONING	- PACK 1 and RECIRC FAN 1 IND - PACK 1 VALVE - EXTRACT FAN CTL - PACK 2 and RECIRC FAN 2 IND - PACK 2 VALVE - COCKPIT and CABIN AUTOMATIC and MANUAL TEMPERATURE CTL
AUTOFLIGHT	- AP DISC BY QUICK DISCONNECT - FGCP C2/IOM-AP 2
COMMUNICATIONS	- AUDIO SYSTEM CAPT and F/O - CAPT COCKPIT AMPLIFIER (IN FLIGHT) - PASSENGER ADDRESS - MECHANIC CALL - COCKPIT and CABIN CREW CALL - CVR - RCAU (IN FLIGHT) - HF2 (if installed)
ELETRICAL POWER	- GCU 2 DC (Back-up) - GCU 1 and 2 ACW (Back-up) - BPCU ACW (Back-up) - MAIN BAT CHG IND - INV 2 FAULT IND - AC 2 BUSSES CTL (BUSSES REMAIN SUPPLIED BY INV 1)
FIRE DETECTION	- TOILETS SMK DET - AVIONICS SMK DET - FWD and AFT COMPT SMK DET - AFT COMPT and TOILETS DET FANS IND - CONTAINER SMK DET (if installed)
FLIGHT CONTROLS	- ELEVATOR CLUTCH PWR SPLY - GUST LOCK AILERON
FUEL	- X FEED VALVE - FUEL PUMPS 1 and 2 PWR, CTL and IND - FCU CHAN 1 and 2
HYDRAULIC POWER	- GREEN PUMP CTL

SYSTEM	FUNCTION
ICE AND RAIN PROTECTION	- AI/DI ISOLATION VALVES - L and R SIDE WINDOWS AI IND - CAPT and STBY PROBES IND - CAPT WIPER
INDICATING / RECORDING	- FDAU (In flight) - MFC 1A NORM SPLY - F/O DU 4 MFD NORM SPLY - EFCP F/O - F/O MCP
LANDING GEAR	- INBOARD ANTISKID
LIGHTS	- CABIN – MIN LT (RIGHT) (BACK-UP OF DC SVCE BUS) - L LANDING CTL - R LANDING CTL
NAVIGATION	- IESI NORM SPLY
OXYGEN	- PRESS IND & CAUTION - SPLY VALVE - PAX MASKS DROP CTL (if installed)
PNUEMATIC	- ENG 1 & 2 BLEED - SO VALVES - BLEED
AVNX (IMA)	- CPM 2 / IOM-S2 - IOM-DC 22 - IOM-DC 23
DOORS	- CDCU FAULT
PROPELLERS	- ENG 1&2 - PEC NORM SPLY (Back-up of DC EMER BUS) - PROP BRK – PWR SPLY, CTL and IND
IGNITION	- IGN - SPARK PLUG A - IGN - SPARK PLUG B
STARTING	- ENG 1 & 2 START CTL & IND

DC STBY BUS

SYSTEM	FUNCTION
AUTO FLIGHT	- ROLL/YAW/PITCH SERVOS - ADU
COMMUNICATIONS	On ground: - RCAU - CAPT COCKPIT AMPLIFIER
FLIGHT CONTROLS	- FLAPS CTL
HYDRAULIC POWER	- X FEED VALVE
INDICATING / RECORDING	- CAPT MCDU
LANDING GEAR	- PRIMARY IND and CTL - BRK OVTEMP IND SYS
LIGHTS	- EMER EXIT LT - FLT COMPT - LMU - MIP
NAVIGATION	- VOR - GPS 1
CAC	- IOM-DC 12 - IOM-DC 13 - CPM 2/IOM-S2 AUX SPLY

DC SVCE BUS

SYSTEM	FUNCTION
ELECTRICAL POWER	- GALLEY (if installed)
LIGHTS	- LOGO - FWD, AFT CARGO COMPT LT - NAV NORM SPLY - LEFT and RIGHT CABIN LAT LT - CAB READING CTL (if installed) - GALLEY LT (if installed) - BEACON NORM SPLY (Back-up of DC BUS 1) - WHEEL WELLS and AFT ELEC COMPT LT - 28VDC SVCE PLUG - LAV LT
WATER / WASTE	- LAV FLUSH MOTOR (if installed)
PROPELLERS	- ENG 1 & 2 PROP FEATHER PUMP TEST

DC UTLY BUS 1

SYSTEM	FUNCTION
AIR CONDITIONING	- RECIRC FAN 1 CTL
COMMUNICATIONS	- TAPE PLAYER
LIGHTS	- CALL SYS - CABIN - UPPER LT (LEFT) - PSU AMB LT

DC UTLY BUS 2

SYSTEM	FUNCTION
AIR CONDITIONING	- RECIRC FAN 2 CTL
LIGHTS	- CABIN - UPPER LT (RIGHT)

DC GND HDLG BUS

SYSTEM	FUNCTION
FUEL	- RCP (REFUEL CONTROL PANEL)
LIGHTS	- EXTERIOR BEACON LIGHTS - EXTERIOR NAVIGATION LIGHTS
DOORS	- CARGO ACTG - ACTR & CTL - PAX ACTG - ACTR & CTL (if installed)