CPDLC uplink messages

FANS MSG ID	FANS Message Element
UM0	UNABLE
UM1	STANDBY
UM3	ROGER
UM19	MAINTAIN [altitude]
UM20	CLIMB TO AND MAINTAIN [altitude]
UM23	DESCEND TO AND MAINTAIN [altitude]
UM30	MAINTAIN BLOCK [altitude] TO [altitude]
UM31	CLIMB TO AND MAINTAIN BLOCK [altitude] TO [altitude]
UM32	DESCEND TO AND MAINTAIN BLOCK [altitude] TO [altitude]
UM36	EXPEDITE CLIMB TO [altitude]
UM37	EXPEDITE DESCENT TO [altitude]
UM38	IMMEDIATELY CLIMB TO [altitude]
UM39	IMMEDIATELY DESCEND TO [altitude]
UM49	CROSS [position] AT AND MAINTAIN [altitude]
UM51*	CROSS [position] AT [time]
UM52*	CROSS [position] AT OR BEFORE [time]
UM53*	CROSS [position] AT OR AFTER [time]
UM55	CROSS [position] AT [speed]
UM56	CROSS [position] AT OR LESS THAN [speed]
UM57	CROSS [position] AT OR GREATER THAN [speed]
UM61	CROSS [position] AT AND MAINTAIN [altitude] AT [speed]
UM74	PROCEED DIRECT TO [position]
UM75*	WHEN ABLE PROCEED DIRECT TO [position]
UM77*	AT [position] PROCEED DIRECT TO [position]
UM78*	AT [altitude] PROCEED DIRECT TO [position]
UM79	CLEARED TO [position] VIA [routeclearance]
UM80	CLEARED [routeclearance]
UM82*	CLEARED TO DEVIATE UP TO [distanceoffset] [direction] OF ROUTE
UM83	AT [position] CLEARED [routeclearance]

FANS MSG ID	FANS Message Element
UM91*	HOLD AT [position] MAINTAIN [altitude] INBOUND TRACK [degrees] [direction] TURNS [leg type]
UM93*	EXPECT FURTHER CLEARANCE AT [time]
UM106	MAINTAIN [speed]
UM108	MAINTAIN [speed] OR GREATER
UM109	MAINTAIN [speed] OR LESS
UM116	RESUME NORMAL SPEED
UM117	CONTACT [icao unit name][frequency]
UM120*	MONITOR [icao unit name][frequency]
UM127*	REPORT BACK ON ROUTE
UM134	CONFIRM SPEED
UM135	CONFIRM ASSIGNED ALTITUDE
UM137*	CONFIRM ASSIGNED ROUTE
UM153	ALTIMETER [altimeter]
UM154	RADAR SERVICES TERMINATED
UM159	ERROR [error information]
UM160	NEXT DATA AUTHORITY [icao facility designation]
UM161	END SERVICE
UM162	SERVICE UNAVAILABLE
UM163	[icao facility designation] [tp4 table]
UM166	DUE TO TRAFFIC
UM167	DUE TO AIRSPACE RESTRICTION
UM169	[free text]
UM177	AT PILOTS DISCRETION

Message future use – currently disabled

Refer to *NAS Data Communications Guide* on L3Harris website for additional information

CPDLC downlink messages

FANS MSG ID	FANS Message Element
DM0	WILCO
DM1	UNABLE
DM2	STANDBY
DM3	ROGER
DM6	REQUEST [altitude]
DM7	REQUEST BLOCK [altitude] TO [altitude]
DM9	REQUEST CLIMB TO [altitude]
DM10	REQUEST DESCENT TO [altitude]
DM20	REQUEST VOICE CONTACT
DM22	REQUEST DIRECT TO [position]
DM23*	REQUEST [procedurename]
DM24*	REQUEST [routeclearance]
DM25 (CPDLC DCL only)	REQUEST CLEARANCE
DM27*	REQUEST WEATHER DEVIATION UP TO [distanceoffset] [direction] OF ROUTE
DM34	PRESENT SPEED [speed]
DM38	ASSIGNED ALTITUDE [altitude]
DM40*	ASSIGNED ROUTE [routeclearance]
DM41*	BACK ON ROUTE
DM55	PAN PAN PAN
DM56	MAYDAY MAYDAY MAYDAY
DM57	[remaining fuel] OF FUEL REMAINING AND [remaining souls] SOULS ON BOARD
DM58	CANCEL EMERGENCY

FANS MSG ID	FANS Message Element
DM59	DIVERTING TO [position] VIA [routeclearance]
DM60	OFFSETTING [distance offset] [direction] OF ROUTE
DM61	DESCENDING TO [altitude]
DM62	ERROR [error information]
DM63	NOT CURRENT DATA AUTHORITY
DM64	[icao facility designation]
DM65	DUE TO WEATHER
DM66	DUE TO AIRCRAFT PERFORMANCE
DM68	[free text] – emergency use
DM73	[version number]
DM80	DEVIATING [distance offset] [direction] OF ROUTE

Message future use – currently disabled

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