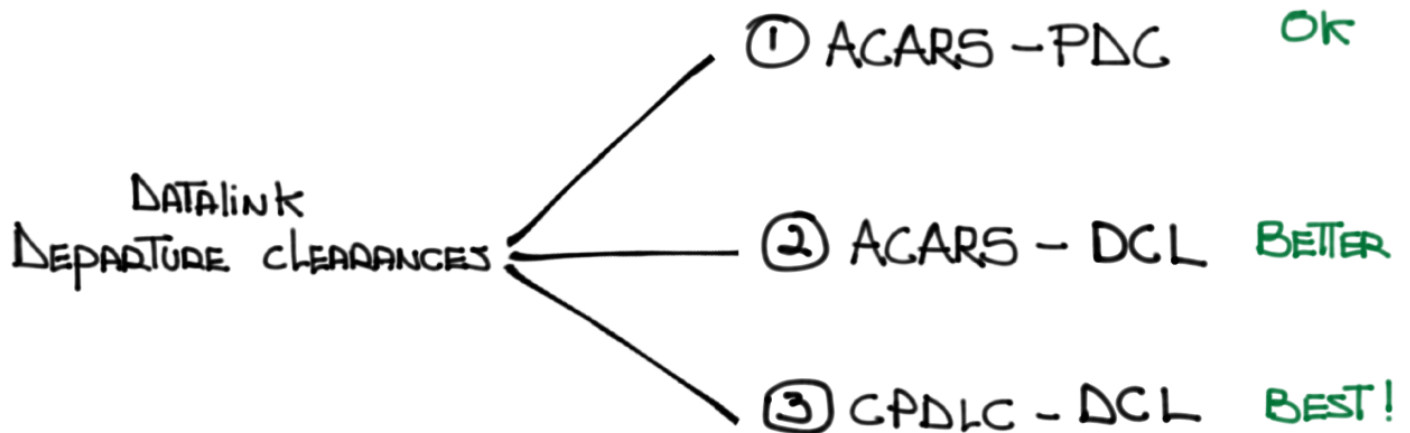


PDC vs DCL

THERE ARE THREE DIFFERENT METHODS OF OBTAINING AN ATC CLEARANCE BEFORE DEPARTURE VIA DATALINK:



CLD = CLEARANCE DELIVERY

CTOT = CALCULATED TAKE OFF TIME

FPR = FLIGHT PLAN ROUTE

CDA = CLEARANCE DELIVERY ACKNOWLEDGMENT

ATC COMM = CPDLC

ACARS = AIRCRAFT COMMUNICATION ADDRESSING
REPORTING SYSTEM

AOC = AERONAUTICAL OPERATIONAL CONTROL

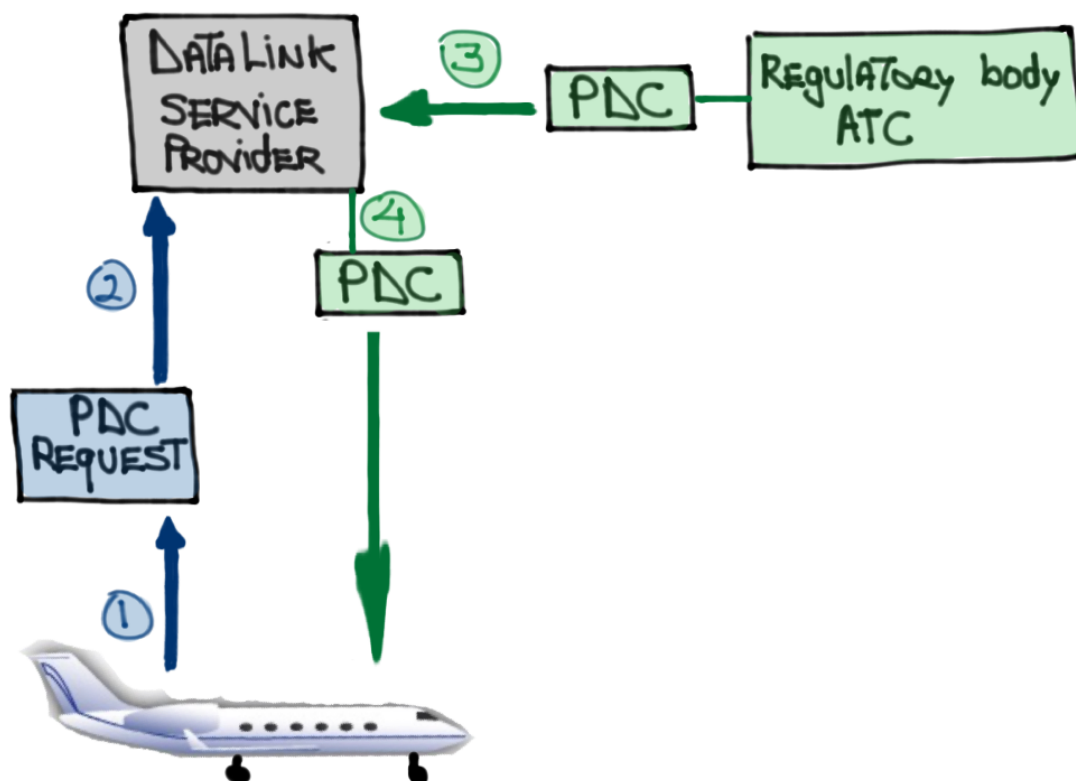
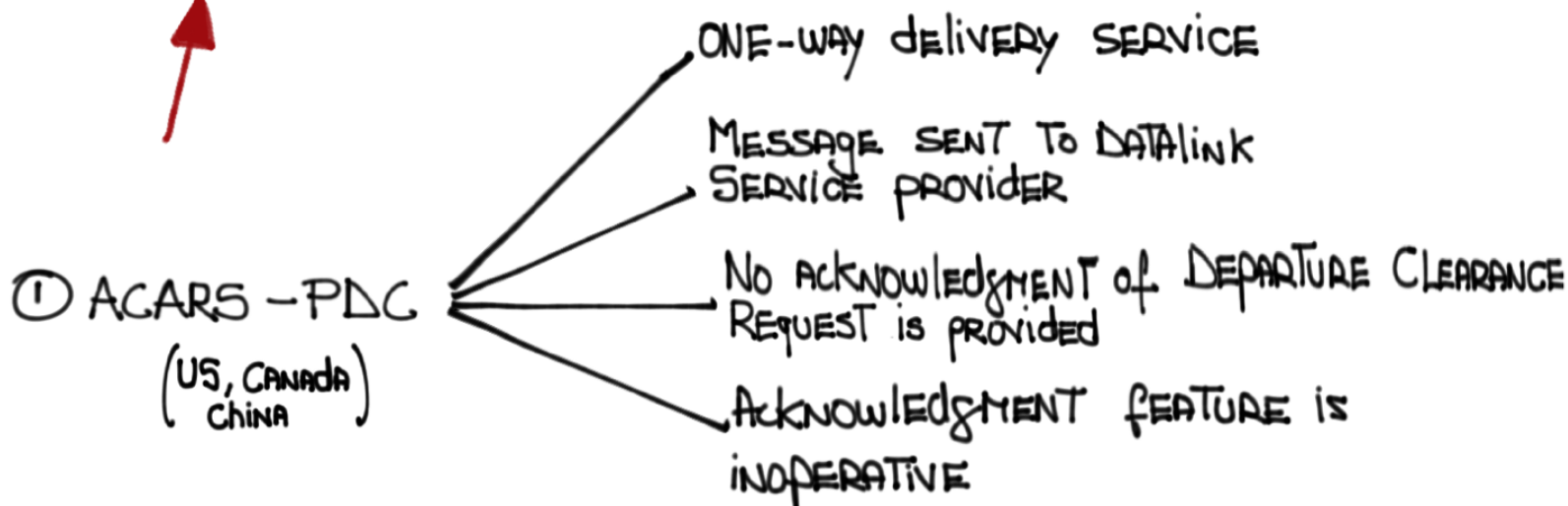
AOC = ACARS

PDC = PRE-DEPARTURE CLEARANCE

DCL = DEPARTURE CLEARANCE

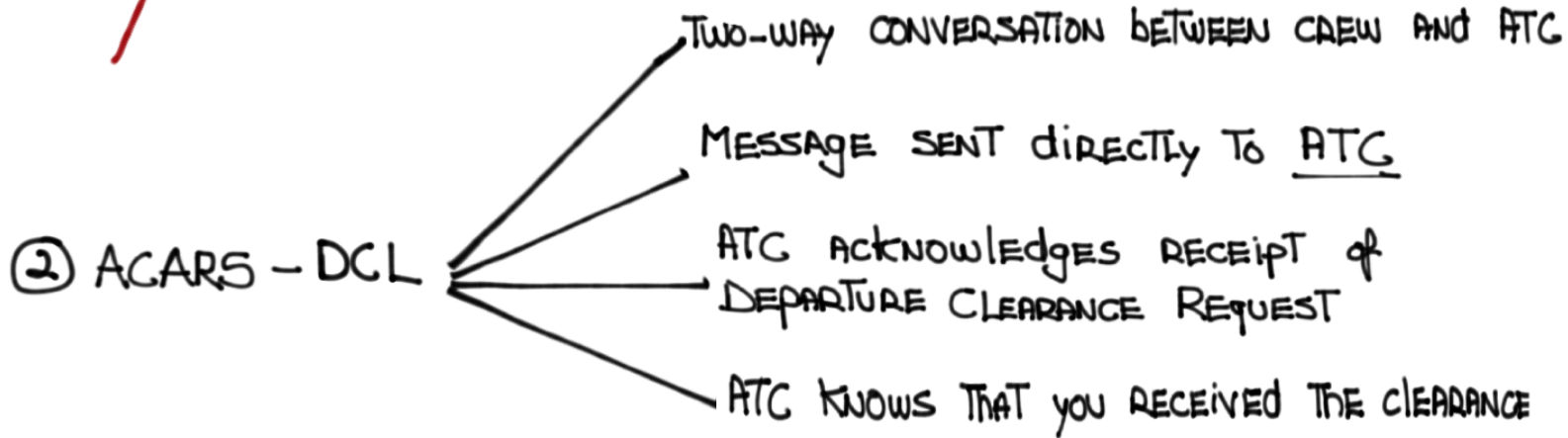
ACARS - PDC

KJFK / JFK				JEPPESSEN NEW YORK, NY			
Apt Elev 13'				15 JUL 16 (20-9) Eff 21 Jul KENNEDY INTL			
D-ATIS Departure		ACARS: D-ATIS PDC	KENNEDY Clearance (Cpt)	Ground	Tower		
128.725			135.05	121.9	119.1 (Rwys 4R/22L & 13L/31R)		
					123.9 (Rwys 4L/22R & 13R/31L)		
General Aviation Terminal UNICOM		NEW YORK Departure (R)					
				RLS (5 sequenced flashers) FDX		73-47	
						73-46	
						CAUTION: Be alert to runway crossing clearances	



ACARS - DCL

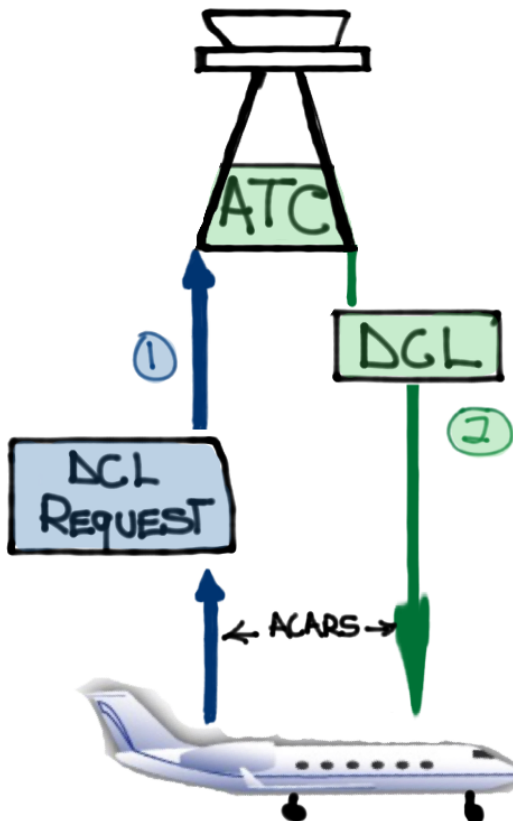
EDDF/FRA	JEPPESEN	23 SEP 16	10-9	FRANKFURT/MAIN, GERMANY
Apt Elev 364'				FRANKFURT/MAIN
N50.02.0 E008.34.2	ACARS: DCL	FRANKFURT Delivery Initial call and Start-up clearance 121.9	*Ground 121.8	Apron 121.550 121.650 121.7 121.750 121.850 121.950
*D-ATIS Departure 118.725				RWY 07L/25R 136.5
				Tower RWY 07C/25C 118.775
				RWY 07R/25L 119.9
				*Tower DEP via RWY 18 124.850
				*LANGEN Radar 120.150 136.125



OPERATOR

CONTRACT

DATA LINK SERVICE PROVIDER



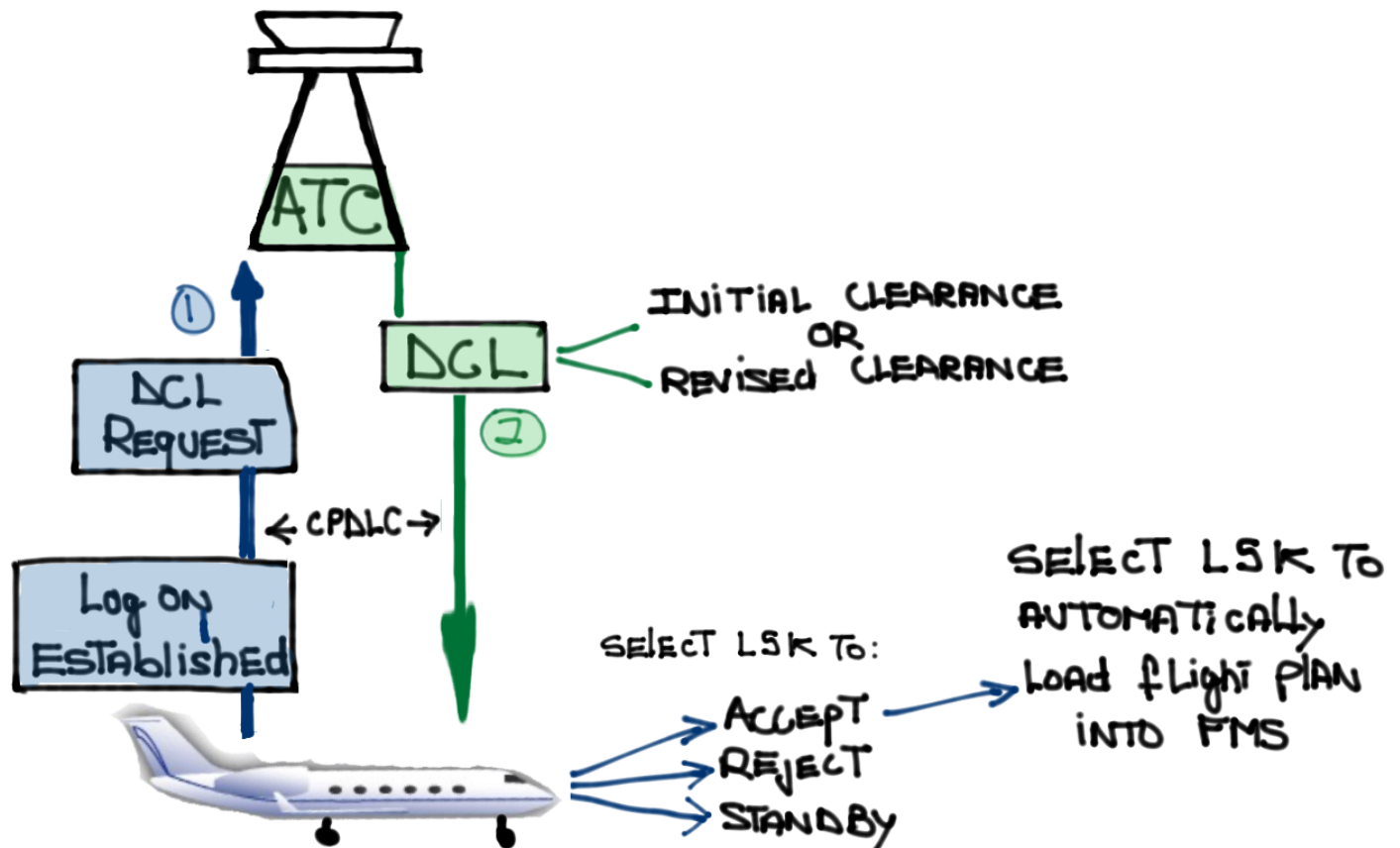
SELECT LSK TO ACKNOWLEDGE

MANUALLY LOAD FLIGHT PLAN INTO FMS

CPDLC - DCL

KSFO/SFO Apt Elev 13' N37 37.1 W122 22.5			JEPPESSEN SAN FRANCISCO, CALIF 4 NOV 16 (10-9) EFF 10 Nov SAN FRANCISCO INTL		
113.7 VOT 111.0	D-ATIS 115.8	118.85	Comm CPDLC: DCL D-ATIS PDC	SAN FRANCISCO Clearance (Cpt) 118.2	Ground 121.8
					Tower 120.5
					NORCAL Departure (R) NW-E 120.9 SE-W 135.1

- ③ CPDLC - DCL
- Two-way communication with ATC
 - High integrity message and data
 - Cleared route can be downloaded directly into FMS
 - Subsequent changes to the clearance are possible
 - MUST first logon to CPDLC



- THREE ATC CLEARANCE OPTIONS:

