

Part 117 at Southwest Airlines

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- Trip and Line construction buffers
- Contractual Buffers on Pilot transactions
- Crew Management System CSS/CWA
- SkySolver-real time alerting and problem solution tool
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 - FDP extensions
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Part 117 Limits

117.5 Fitness for Duty

Each Pilot must report for any flight duty period (FDP) rested and prepared to perform
his assigned duties. Southwest Airlines must not assign and no Pilot may accept
assignment to an FDP if the Pilot has reported for an FDP too fatigued to safely perform
his assigned duties. Southwest Airlines must not permit a Pilot to continue an FDP if the
Pilot has reported himself too fatigued to continue the assigned FDP.

Domestic Dispatch Release Flight 733 from MDW to PHX				
ENROUTE: ENROUTE (METHOD 1) SEGMENT NO LIMITING TERRAIN	APU ENG A/I NORM ON TERRAIN OVRWGT WT ALT 154.5 NONE			
DSP: DX - T.B.A.	DESK: 19 PH: 214-792-6121//800-447-929			
CAP: CA - T.B.A.	SIGNATURE:			
	FITNESS FOR DUTY STATEMENT			
EACH CREWMEMBER AFFIRMAT WITH 14 CFR PART 117.	TIVELY STATES HE OR SHE IS FIT FOR DUTY IN ACCORDANCE			
CAP: CA - T.B.A.	SIGNATURE:			
F/O: FO - T.B.A.	SIGNATURE:			
vvvvvvvvvvvvvvvvvv	XXXXXX END OF RELEASE XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			

Trip and Line Construction Buffers

- Table A less 25 minutes
- Table B less 60 minutes for AM trips
- Table B less 120 minutes for PM trips
- 11:30 planned minimum rest between duty periods and between trips.
- Max of three WOCL incursions per trip
- Max of 95 hours of planned block per line

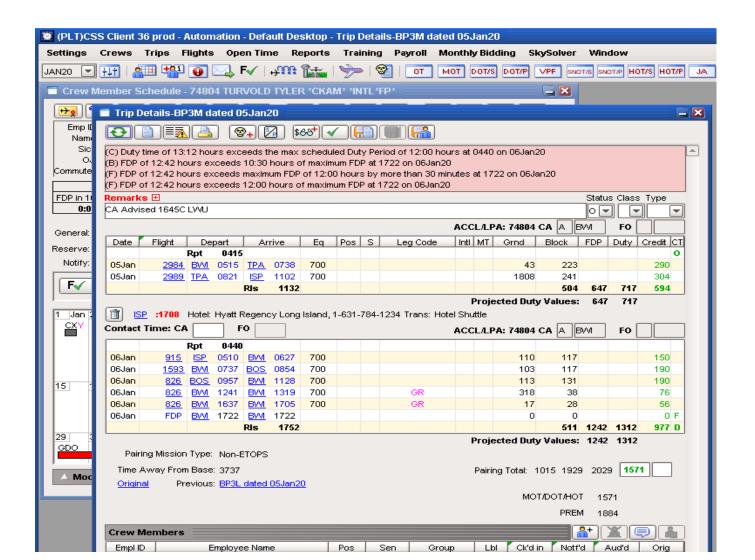
Contractual Buffers on Pilot Transactions

- Define what a Pilot can schedule.
 - Table A less 30 minutes
 - Table B less 90 minutes
 - 55 FDP hours in 168
 - 182 FDP hours in 672
 - 98:30 in block time in 672
 - 998 in block time in 365
 - 11 hours of rest between FDPs
 - 31 hours of rest in 168.

Department Name

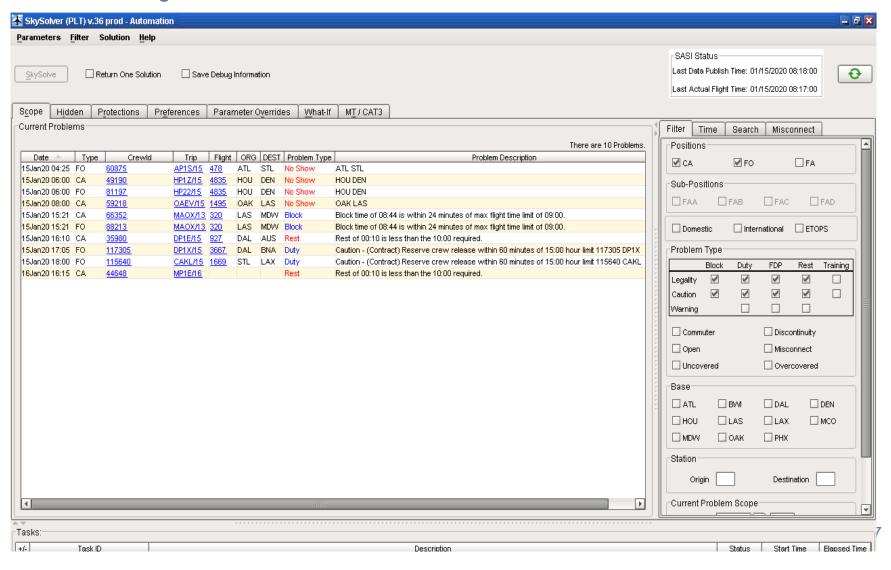
Crew Management System CSS/CWA

Real time operational updates for the entire day.



SkySolver

Alerting and solutions for the most restrictive of the CBA or FARs.



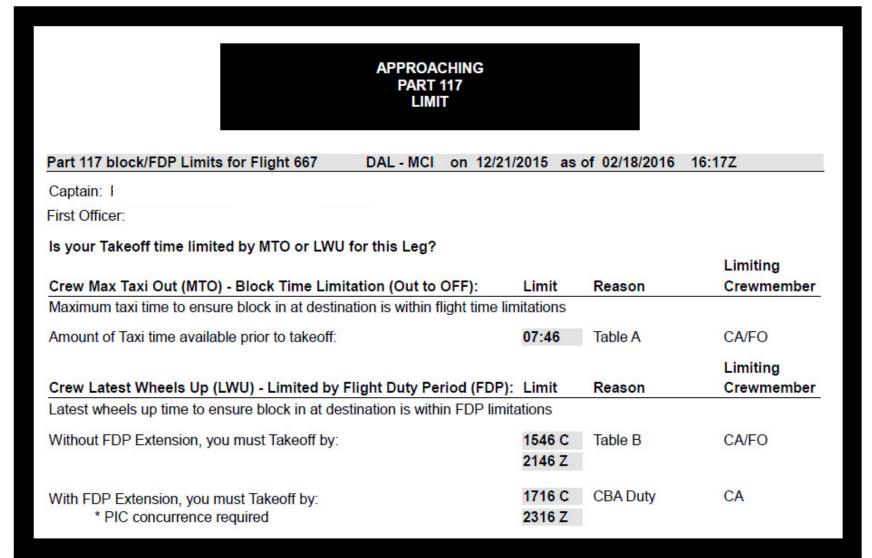
Part 117 Block and FDP Limitations Report

Presented to the Crew prior to departure.

Part 117 block/FDP Limits for Flight 4036 DAL - BWI on 12/2	21/2015	as of 03/01/2016	18:58Z
Captain:			
First Officer:			
Is your Takeoff time limited by MTO or LWU for this Leg?			
Crew Max Taxi Out (MTO) - Block Time Limitation (Out to OFF):	Limit	Reason	Limiting Crewmembe
Maximum taxi time to ensure block in at destination is within flight time lin	mitations		
Amount of Taxi time available prior to takeoff:	06:31	Table A	CA/FO
Crew Latest Wheels Up (LWU) - Limited by Flight Duty Period (FDP):	: Limit	Reason	Limiting Crewmembe
Latest wheels up time to ensure block in at destination is within FDP limit			
Without FDP Extension, you must Takeoff by:	1431 (CA/FO
,	2031 2		
With FDP Extension, you must Takeoff by: * PIC concurrence required	2031 Z 1531 C 2131 Z	CBA Duty	FO

Part 117 Block and FDP Limitations Report

The Crew is within one hour of a limit

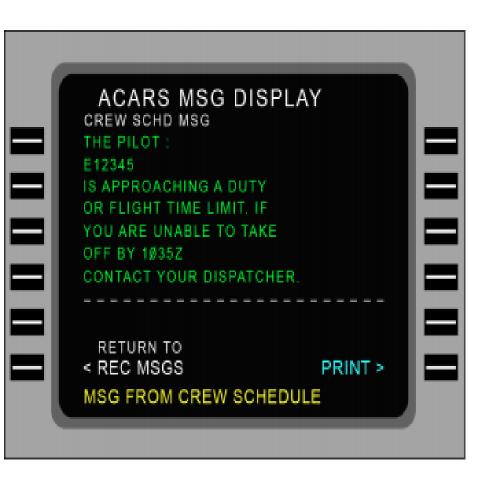


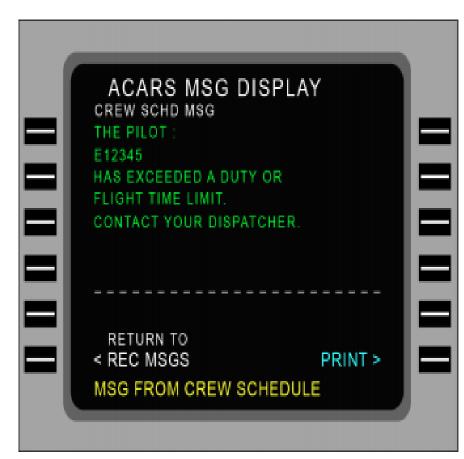
ACARS messages

ACARS-PIC concurrence with FDP extensions

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ACCEPT OR REJECT?
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ACARS messages





CMO interpretations

- Pre-takeoff extensions cannot subsequently exceed two hours after takeoff.
 - Minimize the number of pre-takeoff extensions.
 - If it's more than 30 minutes to the new ETD and Crew Scheduling can replace the Crew, they will.
 - If it's less than 30 minutes to the new ETD, the extension is allowed to proceed.
 - If an extension is projected to be 60 minutes or more, Crew Scheduling will work with Dispatch to ensure the flight will terminate within the two hour extension.

CMO interpretations

- Unforeseen circumstances and within the Carrier's control.
 - Most circumstances such as weather, ATC, ramp congestion and upline delays are now deemed "foreseen".
 - Pre-takeoff extensions have been recently deemed within our control as well. "You can bring the flight back to the gate and replace the Crew."
- Post takeoff flight time exceedances and FDP extensions are frequently deemed foreseen circumstances if the Dispatch Release contained contingency and holding fuel. "You knew you were going to have to hold over BWI."

CMO issues

- In 2019 our POI has generated:
 - One LOI
 - 17 Corrective Action Letters
 - Two General Letters
 - 30 RFIs
 - 42 emails requesting additional info

Part 117 during severe IROPS

Between Planning Buffers, CBA buffers, real time updates, systems, info shared with Crews and lots of proactive coordination with Dispatch, Part 117 is generally manageable.