A Guide to FSCaptain Dispatch Releases

In the real world, the Dispatch Release is a vital (and legal!) document which each Captain must fully agree to and understand in order to be properly prepared to execute their flight. The ACME Dispatch Release used by FSCaptain is the same – it contains relevant data to guide Captains to make safe decisions on every flight. The data that's provided is split into several sections, of which some may not appear on all flights:

- General Information
- Fuel & Weights
- NOTAMS
- Weather METAR, Winds, TAF
- Flight Plan (Routing)
- Load Manifest / Load Plan
- Remarks
- Flight Risks
- Runway Data

What follows is a typical three-page preliminary ACME Dispatch Release for a short passenger charter flight from KRNO (Reno, Nevada) to KSFO (San Francisco, California). It's booked in a CRJ-700 and has a Block Time scheduled for 54 minutes. This flight will have a (local) VIP aboard, so it will enjoy Priority arrival status. Because this flight is conducted exclusively inside the United States, the airline uses *feet*, *pounds* and *knots* for all values.



Since this flight will occur within a flight simulator, fuel burn rates are not those of real-world aircraft!

The flight plan takes us south/southwestward from Reno and then west to an approach to SF that for the majority of times would see a landing on one of the "28s" (the wind-favored 28L & 28R runways). The weather is pleasant and favorable, and there are no extra events to make this an unusual flight.

This flight is under the command of Captain Jeffrey T Spaulding – an ATP holder of many years, and an intrepid explorer to boot. After you've familiarized yourself with the flight's details, we'll look at each section in detail. (The sections are colored here for distinction.) Captain Spaulding has promised to share *his analysis* after our tour.

RITTENHOUSE AIRLINES DISPATCH RELEASE FSCAPTAIN 1.7.2 FLIGHT 9648 KRNO (RNO) -- KSFO (SFO) -- ALT KSCK (SCK) 03-APR-16 18:31Z OUT: OFF: AIRCRAFT (TBA) TYPE CRJ7 ON: IN: CREW INFORMATION: DISP: H H TABBIDY (SIGNED) / (SIGNED) PIC : GEOFFREY SPAULDING / MINOLBZFW56695LBTAXI440LB28MINT/O FOB11080LB(MAX: 19590LB)KSFO3062LB26MINPLANNED TOW67775LB(MAX: 75000LB)KSCK812LB7MINENROUTE BURN3062LB(Burn 775LB for MLW)RSV5220LB45MINPLANNED LDW64713LB(MAX: 67000LB)HOLD1740LB15MINDESTINATION FOB7798LBPIC-A26LBALTERNATE FOB6026TD TOTAL 11300LB 121MIN NOTAMs: KRNO PIREPS OF INCREASED BIRD ACTVITY NEAR APT. KSFO POSSIBLE SIMULTANEOUS CLOSE PARALLEL OPERATIONS ON RWYS 28L/R. WEATHER INFORMATION: * METARs KRNO 031755Z VRB03KT 10SM FEW080 FEW200 SCT250 16/01 A3018 RMK A02 SLP185 T01610006 10161 20067 58002 \$ KSFO 031756Z 05004KT 10SM FEW013 14/10 A3014 RMK AO2 SLP205 T01390100 10144 20106 51003 KSCK 031755Z 29004KT 10SM CLR 18/11 A3009 RMK A02 SLP189 T01830106 10183 20106 50002 * Weather Aloft FT 3000 06000 09000 12000 18000 24000 30000 34000 39000 ID ---- ---- ------ ------ ------ ------KRNO: KRNO 1804 1804+14 1906+09 2016-03 2210-16 2420-28 2522-44 2626-55 2529-62 WAGGE: KCXP 1804 1804+14 1906+09 2015-03 2311-16 2420-28 2523-44 2626-55 2528-62 SPOOK: KTVL 1805 1805+14 1907+09 2016-03 2210-16 2419-28 2521-44 2625-55 2529-63 MELTS: KPVF 1905 1707+13 1808+08 1913-02 2215-16 2319-28 2320-44 2422-54 2425-63 MOD: KMOD 2204 1808+12 1810+09 1811-02 2116-16 2219-28 2118-44 2217-54 2321-63 KSFO: KSFO 2505 1811+11 1813+08 2011-02 2015-16 2019-28 2018-44 2013-54 2222-63 KSCK: KSCK 2305 1810+12 1812+08 1911-02 2115-16 2119-28 2117-44 2114-54 2221-63 * TAFs KSFO 031739Z 0318/0424 VRB03KT P6SM FEW012 SCT014 SCT016 FM032000 28017KT P6SM FEW015 SCT200 FM040400 28015KT P6SM BKN015 FM041000 28007KT P6SM OVC012 FM041800 VRB05KT P6SM SCT012 FM042000 28017KT P6SM BKN200 KSCK 031733Z 0318/0418 33005KT P6SM SKC FM032100 28010KT P6SM SCT250

VIA POS HDG ALT DIST TIME BLOCK FUEL WIND DIR SPD ADJ KRNO 000 4414FT 0 0:00 0:54 11300LB 4 180 0 0 NGGE 180 9454FT 14 0:16 0:38 10708LB 6 190 190 -4 SPOOK 211 FL200 44 0:06 0:32 9705LB 10 220 0450 -12 MOD 214 FL200 29 0:03 0:29 9257LB 15 220 450 -15 MOD 214 FL200 39 0:04 0:25 6:00 7986LB 4 290 250 4 IATS RCUT STO 7798LB 5250 140 -8 IATS NATOTAL DISTANCE * ATS 7001 5250 140 -8 IAT DIST FASC PASC 130 10 10 10 10	VIA FOS HEG ALT DIST TIME BLOCK FUEL WIND DIR SPE ADJ KRNO 000 4414FT 0 0:00 0:54 11300LB 4 180 0 0 WAGGE 180 9454FT 14 0:16 0:38 10708LB 6 190 140 -4 SPOOK 211 FL200 29 0:03 0:29 9257LB 15 220 450 -12 MOD 214 FL200 39 0:04 0:25 8654LB 16 210 450 -15 KSFO 270 12FT 67 0:25 0:00 7798LB 5 250 140 -8 (ALT) KSCK 072 27FT 56 0:07 6986LB 4 220 250 4 193 NM TOTAL DISTANCE * ATS Routing KRNO WAGGE SPOOK MELTS MOD KSFO KSCK LOAD MANIFEST: 1) 65 FAX Passengers 11050LB 2) 1 Lot Baggage 1975LB 3) 1 VIP Casino Comic 170LB * CRJ7 Load Plan STM TYPE UNITS WEIGHT DESCRIPTION 001 J 6/Seats 1020LB Business Class 002 W 14/Seats 2300LB Coach 004 G 17/General 850LB Forward Cargo 005 G 2/General 1125LB Aft Cargo * Load Summary J PAX/J 6 1020LB Business Class 003 Y 46/Seats 1020LB Business Class 004 G 17/General 850LB Forward Cargo 005 G 2/General 1125LB Aft Cargo * Load Summary J PAX/J 6 1020LB MSTO KSFO-14000 KSFO-18000 KSCK-18000. - SPECIAL FLAG(S) FOR THIS FLIGHT PENGINTY. - ANRIVAL AT KSFO EXPECT TAXI TO GATE 141. - NOTE TRANSITION ALTITUDES KRNO-18000 KSFO-18000 KSCK-18000. - SPECIAL FLAG(S) FOR THIS FLIGHT PENGITY. - ARRIVAL WINDOW 5 MTNS LARE. - EARLY ARRIVAL CLEARANCE GRANTED DUE TO FRIGHTY STATUS. - MINIMUM SAFE DISTANCE ARRIVING KSCC-14000T. - MINIMUM SAFE DISTANCE ARRIVING KSCC-1400FT. - PENFORMANCE DATA REQUIRES TO WINS LARE. - EARLY ARRIVAL CLEARANCE GRANTED DUE TO PRIORITY STATUS. - MINIMUM SAFE DISTANCE ARRIVING KSC-1400FT. - PENFORMANCE DATA REQUIRES TO WINS LARE. - EARLY ARRIVAL CLEARANCE GRANTED DUE TO PRIORITY STATUS. - MINIMUM SAFE DISTANCE ARRIVING KSC-1400FT. - PENFORMANCE DATA REQUIRES TO WINT HILT ANS AFTER TAKEOFF. - FENFORMANCE DATA REQUIRES NO MORE THAN 10305LB FUEL ONDOARD.	FLIGHT	PLAN:		(CRUISE	ALT:	20000F	'Т)					
KRNO 000 4414FT 0 0:00 0:54 11300LB 4 180 0 0 WAGGE 180 9454FT 14 0:16 0:38 10708LB 6 190 190 -4 SPOOK 211 FL200 29 0:03 0:29 9257LB 15 220 50 -12 MDD 214 FL200 39 0:04 0:25 8:654LB 16 10:450 -12 MDD 214 FL200 39 0:04 0:25 0:00 7798LB 5 250 140 -8 (ALT) KSCK 072 27FT 56 0:07 6986LB 4 290 250 4 UAT CASIN PASC PASC 100 10 5 1050LB 101 11050LB 101 10 10 10 10 10 10 10 10 10 10 10 10 10	KENO 000 4414FT 0 0:00 0:54 11300LB 4 180 0 0 WAGGE 180 9454FT 14 0:16 0:38 10708LB 6 190 190 -4 SPOOK 211 FL200 29 0:03 0:29 925TLB 15 220 450 -12 MOD 214 FL200 39 0:04 0:25 654LB 16 210 450 -12 MOD 214 FL200 39 0:04 0:25 0:00 7798LB 5 250 140 -8 (ALT) KSCK 072 27FT 56 0:07 6986LB 4 290 250 4 CALT LOAD MANTFEST: 1050LB 10150LB 11050LB 11050LB 10 1 VIF Casino Comic 170LB 170LB STN TYPE UNTS WEIGHT DESCRIPTION 101050LB	VIA	POS	HDG	ALT	DIST	TIME	BLOCK	FUEL	WIND	DIR	SPD	ADJ
WAGE 180 9454FT 14 0:16 0:38 1070RLB 6 190 -4 SPOOK 211 FL200 44 0:06 0:32 9705LB 15 220 450 -12 MOD 214 FL200 29 0:03 0:25 8654LB 16 210 450 -15 KSFO 270 12FT 67 0:25 0:00 7798LB 5 250 140 -8 (ALT) KSCK 072 27FT 56 0:07 6986LB 4 290 250 4	WAGGE 180 9454FT 14 0:16 0:38 10706LB 6 190 190 -4 SPOOK 211 FL200 29 0:03 0:29 9257LB 15 220 450 -12 MOD 214 FL200 39 0:04 0:25 8654LB 16 210 450 -15 KSRO 270 12PT 67 0:25 0:00 798LB 5 250 140 -15 REALTY KSCK 072 27FT 56 0:07 6986LB 4 290 250 4 193 NM TOTAL DISTANCE * ATS Routing KENO WAGGE SPOOK MELTS MOD KSFO KSCK LOAD MANIFEST: 1) 65 FAX Passengers 11050LB 2) 1 Lot Baggage 1975LB 3) 1 VIP Casino Comic 170LB * CEJ7 Load Plan STN TYPE UNITS WEIGHT DESCRIPTION * CEJ7 Load Plan STN TYPE UNITS WEIGHT DESCRIPTION 001 4 6/Seats 1020LB Business Class 002 W 14/Seats 2380LB Comfort Economy 003 Y 46/Seats 7820LB Coach 004 6 17/General 1125LB Aft Cargo * Load Summary J PAX/J 6 1020LB Business Class CARGO 19 1975LB Y PAX/J 6 1020LB Business Class Coach 004 6 17/General 1125LB Aft Cargo * Load Summary J PAX/J 6 1020LB W PAX/W 14 2380LB Y PAX/Y 46 7820LB G CARGO 19 1975LB REMARKS: - PAX FLIGHT WITH SNACK SERVICE. - VACRAGE SNACK SERVICE EST AT 13.0 MINUTES. - ON ARRIVAL AT KSPC EXERVITE. - PAX FLIGHT WITH SNACK SERVICE. - AVERAGE SNACK SERVICE EST AT 13.0 MINUTES. - ON ARRIVAL AT KSPC EXPECT TAXI TO GATE 141. NOTE TRANSITION ALTITUDES KRNO=18000 KSCK=18000. SECIAL FLAG(S) FOR THIS FLIGHT: PRIORITY. - ARRIVAL AT KSPC EXPECT TAXI TO GATE 141. NOTE TRANSITION ALTITUDES KRNO=18000 KSCK=18000. SECIAL FLAG(S) FOR THIS FLIGHT: PRIORITY. - ARRIVAL WINDOW S MINS LATE. - EARLY ARRIVAL CLEARANCE GRANTED DUE TO PRIORITY STATUS. - MINIMUM SAFE DISTANCE ARRIVING KSCC=1400FT. - MINIMUM SAFE DISTANCE ARRIVING KSCC=1400FT. - MINIMUM SAFE DISTANCE ARRIVING KSCC=1400FT. - FOR THIS FLIGHT, COMPANY POLCY REQUIRES LANDING LIGHTS REMAIN ON WHLE BENETH 1000FT, AND AT TC'S DISCRETION WHILE ABOYE. - MIN (67000LB) REQUIRES NO MORE THAN 10305LE FUEL ONEOARD.		KRNO	000	4414FT	0	0:00	0:54	11300LB	4	180	0	0
SPOCK 211 F12200 44 0:06 0:32 9705LB 10 220 300 -12 MOD 214 F1200 39 0:04 0:25 8654LB 16 210 450 -15 MOD 214 F1200 39 0:04 0:25 8654LB 16 210 450 -15 MOD 214 F1200 39 0:04 0:25 8654LB 16 210 450 -15 MOD 214 F1200 39 0:04 0:25 8654LB 4 290 250 4 ALT KSCK 072 27FT 56 0:07 6986LB 4 290 250 4 193 NUTP Casino Comic 11050LB 290 130 170LB ************************************	SPOOK 211 FL200 44 0:06 0:32 9705LB 10 220 300 -12 MOD 214 FL200 39 0:04 0:25 8654LB 16 210 450 -15 KSFO 270 12FT 67 0:25 0:00 7798LB 5 250 140 -8 (ALT) KSCK 072 27FT 56 0:07 6986LB 4 290 250 4 193< NM TOTAL DISTANCE		WAGGE	180	9454FT	14	0:16	0:38	10708LB	6	190	190	-4
MELTS 200 FL200 29 0:03 0:29 297LB 15 220 450 -15 KSFO 270 12FT 67 0:25 0:00 779LB 5 250 140 -8 (ALT) KSEO 270 12FT 56 0:07 6986LB 4 290 250 4 (ALT) KSEK 072 27FT 56 0:07 6986LB 4 290 250 4 (ALT) KSEK 072 27FT 56 0:07 6986LB 4 290 250 4 (ALT) KSEK 072 27FT 56 0:07 6986LB 4 290 250 4 (ALT) KSEK 072 105	MELTS 200 FL200 29 0:03 0:29 9257LB 15 220 450 -15 KSFO 270 12FT 67 0:25 0:00 7798LB 5 250 140 -8 (ALT) KSCK 072 27FT 56 0:07 6986LB 4 290 250 4 (ALT) KSCK 072 27FT 56 0:07 6986LB 4 290 250 4 (ALT) KSCK 072 27FT 56 0:07 6986LB 4 290 250 4 (ALT) KSCK 072 7FT 56 0:07 6986LB 4 290 250 4 (ALT) KSCK 073 0:15 1050LB 1050LB 1050LB 1070LB 1070LB 1070LB 1070LB 1070LB 1070LB 1070LB 1195LB 1020LB 1070LB 1070LB 1070LB 1070LB 1070LB 1070LB		SPOOK	211	FL200	44	0:06	0:32	9705LB	10	220	300	-7
MCD 214 FL200 39 0:04 0:25 0:00 7798LB 5 250 140 -8 (ALT) KSCK 072 27FT 56 0:07 6986LB 4 290 250 4 	<pre>MOD 214 FL200 39 0:04 0:25 0:00 7798LB 5 250 140 -8 (ALT) KSCK 072 27FT 56 0:07 6986LB 4 290 250 4</pre>		MELTS	200	FL200	29	0:03	0:29	9257LB	15	220	450	-12
ALTO NECK 072 27FT 56 0:07 0986LB 4 290 250 4 193 NM TOTAL DISTANCE 4 290 250 4 193 NM TOTAL DISTANCE * ATS Routing KRNO WAGGE SPOOK MELTS MOD KSFO KSCK LOAD MANIFEST: 1) 65 PAX Passengers 11050LB 2) 1 Lot Baggage 1975LB 3) 1 VIP Casino Comic 170LB TOTAL PAYLOAD 13195LB * CRJ7 Load Plan STN TYPE UNITS WEIGHT DESCRIPTION 	<pre>KSPO 270 12F1 65 0:02 //96LB 3 230 140 -6 (ALT) KSCK 072 27FT 56 0:07 6986LB 4 290 250 4 193 NM TOTAL DISTANCE * ATS Routing KRNO WAGGE SPOCK MELTS MOD KSFO KSCK LOAD MANIFEST: 1) 65 PAX Passengers 11050LB 2) 1 Lot Baggage 1975LB 3) 1 VIP Casino Comic 170LB ************************************</pre>		MOD	214	FL200	39	0:04	0:25	8654LB	16	210	450	-15
193 NM TOTAL DISTANCE 193 NM TOTAL DISTANCE * ATS Routing KRNO WAGGE SPOOK MELTS MOD KSFO KSCK LOAD MANIFEST: 1) 65 PAX Passengers 11050LB 2) 1 Lot Baggage 1975LB 3) 1 VIP Casino Comic 170LB TOTAL PAYLOAD 13195LB * CRJ7 Load Plan STIN TYPE UNITS WEIGHT DESCRIPTION TOTAL PAYLOAD 13195LB * CRJ7 Load Plan STIN TYPE UNITS WEIGHT DESCRIPTION OTTAL PAYLOAD 13195LB PENTITION OTTAL PAYLOAD 13195LB PENTITION ALTITOCAL PAYLOAD Cargo	193 NM TOTAL DISTANCE * ATS Routing * ATS Routing KRNO WAGGE SPOOK MELTS MOD KSFO KSCK LOAD MANIFEST: 1) 65 PAX Passengers 1) 105 PAX Passengers 105 P	(AT.T.)	KSCK	270 072	12FT 27FT	67 56	0:25	0:00	6986LB	Э 4	290	250	-8 4
<pre>* ATS Routing KRNO WAGGE SPOOK MELTS MOD KSFO KSCK LOAD MANIFEST: 1) 65 PAX Passengers 11050LB 2) 1 Lot Baggage 1975LB 3) 1 VIP Casino Comic 170LB</pre>	<pre>* ATS Routing KRNO WAGGE SPOOK MELTS MOD KSFO KSCK LOAD MANIFEST: 1) 65 PAX Passengers 11050LB 2) 1 Lot Baggage 1975LB 3) 1 VIP Casino Comic 170LB 3) 1 VIP Casino Comic 170LB 4 CRJ7 Load Plan STN TYPE UNITS WEIGHT DESCRIPTION 5 CRJ7 Load Plan STN TYPE UNITS WEIGHT DESCRIPTION 5 Cmfort Economy 001 J 6/Seats 1020LB Business Class 002 W 14/Seats 2380LB Comfort Economy 003 Y 46/Seats 7820LB Coach 004 G 17/General 850LB Forward Cargo 005 G 2/General 1125LB Aft Cargo * Load Summary J PAX/J 6 1020LB W PAX/W 14 2380LB Y PAX/Y 46 7820LB G CARGO 19 1975LB REMARKS: - PAX FLICHT WITH SNACK SERVICE AVERAGE SNACK SERVICE EST AT 13.0 MINUTES ON ARRIVAL AT KSFO EXPECT TAXI TO GATE 141 NOTE TRANSITION ALTITUDES KRNO-18000 KSCP-18000 KSCK-18000 SPECIAL FLAG(S) FOR THIS FLIGHT: PRIORITY ARRIVAL WINDOW 5 MINS LATE EARLY ARRIVAL CLEARANCE GRANTED DUE TO PRIORITY STATUS MINIMUM SAFE DISTANCE ARRIVING KSCM-1400FT FOR THIS FLIGHT, COMPANY POLICY REQUIRES LANDING LIGHTS REMAIN ON WHILE BENSATH 1000FT, AND AT PIC'S DISCRETION WHILE ABOVE MLW (67000LB) REQUIRES NO MORE THAN 10305LB FUEL ONBOARD. </pre>					 193			STANCE				
<pre>* ATS Routing KRNO WAGGE SPOOK MELTS MOD KSFO KSCK LOAD MANIFEST: 1) 65 PAX Passengers 11050LB 2) 1 Lot Baggage 1975LB 3) 1 VIP Casino Comic 170LB * CRJ7 Load Plan STN TYPE UNITS WEIGHT DESCRIPTION</pre>	<pre>* ATS Routing KRNO WAGGE SPOOK MELTS MOD KSFO KSCK LOAD MANIFEST: 1) 65 PAX Passengers 11050LB 2) 1 Lot Baggage 1975LB 3) 1 VIP Casino Comic 170LB * TOTAL PAYLOAD 13195LB * CRJ7 Load Plan STN TYPE UNITS WEIGHT DESCRIPTION ************************************</pre>					195			,1111(01				
<pre>LOAD MANIFEST: 1) 65 PAX Passengers 11050LB 2) 1 Lot Baggage 1975LB 3) 1 VIP Casino Comic 170LB ********* TOTAL PAYLOAD 13195LB * CRJ7 Load Plan STN TYPE UNITS WEIGHT DESCRIPTION </pre>	<pre>KARO WARGE SPOOR MELTS WOD KSFO KSCK LOAD MANIFEST: 1) 65 PAX Passengers 11050LB 2) 1 Lot Baggage 1975LB 3) 1 VIP Casino Comic 170LB ******** TOTAL PAYLOAD 13195LB * CRJ7 Load Plan STN TYPE UNITS WEIGHT DESCRIPTION</pre>	* ATS I	Routing				ZOOZ						
LOAD MANIFEST: 1) 65 PAX Passengers 11050LB 2) 1 Lot Baggage 1975LB 3) 1 VIP Casino Comic 170LB ******** TOTAL PAYLOAD 13195LB * CRJ7 Load Plan STN TYPE UNITS WEIGHT DESCRIPTION 	LOAD MANIFEST: 1) 65 FAX Passengers 11050LB 2) 1 Lot Baggage 1975LB 3) 1 VIP Casino Comic 170LB ********* TOTAL PAYLOAD 13195LB * CRJ7 Load Plan STN TYPE UNITS WEIGHT DESCRIPTION 	KRNO W	AGGE SPOC	K MEL	JTS MOD r	SFO I	ASCK						
LOAD MANIFEST: 1) 65 PAX Passengers 11050LB 2) 1 Lot Baggage 1975LB 3) 1 VIP Casino Comic 170LB ********* TOTAL PAYLOAD 13195LB * CRJ7 Load Plan STN TYPE UNITS WEIGHT DESCRIPTION 	LOAD MANIFEST: 1) 65 PAX Passengers 11050LB 2) 1 Lot Baggage 1975LB 3) 1 VIP Casino Comic 170LB ******** TOTAL PAYLOAD 13195LB * CRJ7 Load Plan STN TYPE UNITS WEIGHT DESCRIPTION 												
<pre>1) 65 PAX Passengers 11050LB 2) 1 Lot Baggage 1975LB 3) 1 VIP Casino Comic 170LB ********* TOTAL PAYLOAD 13195LB * CRJ7 Load Plan STN TYPE UNITS WEIGHT DESCRIPTION</pre>	<pre>1) 65 PAX Passengers 11050LB 2) 1 Lot Baggage 1975LB 3) 1 VIP Casino Comic 170LB ********* TOTAL PAYLOAD 13195LB * CRJ7 Load Plan STN TYPE UNITS WEIGHT DESCRIPTION ******** OO1 J 6/Seats 1020LB Business Class 002 W 14/Seats 2380LB Comfort Economy 003 Y 46/Seats 7820LB Coach 004 G 17/General 850LB Forward Cargo 005 G 2/General 1125LB Aft Cargo * Load Summary J PAX/J 6 1020LB W PAX/W 14 2380LB G CARGO 19 1975LB REMARKS: - PAX FLIGHT WITH SNACK SERVICE. - AVERAGE SNACK SERVICE EST AT 13.0 MINUTES. - ON ARRIVAL AT KSFO EXPECT TAXI TO GATE 141. - NOTE TRANSITION ALTITUDES KRNO-18000 KSCK=18000. - SPECIAL FLAG(S) FOR THIS FLIGHT: PRIORITY. - ARRIVAL WINDOW 5 MINS LATE. - EARLY ARRIVAL CLEARANCE GRANTED DUE TO PRIORITY STATUS. - MINIMUM SAFE DISTANCE ARRIVING KSRO-1400FT. - FOR THIS FLIGHT, COMPANY POLICY REQUIRES LADDING LIGHTS REMAIN ON WHILE BENEATH 1000FT, AND AT PIC'S DISCRETION WHILE ABOVE. - MLW (67000LB) REQUIRES NO MORE THAN 10305LB FUEL ONBOARD.</pre>	LOAD M	ANIFEST:										
<pre>2) 1 Lot Baggage 1975LB 3) 1 VIP Casino Comic 170LB ********** TOTAL PAYLOAD 13195LB * CRJ7 Load Plan STN TYPE UNITS WEIGHT DESCRIPTION </pre>	<pre>2) 1 Lot Baggage 1975LB 3) 1 VIP Casino Comic 170LB ********* TOTAL PAYLOAD 13195LB * CRJ7 Load Plan STN TYPE UNITS WEIGHT DESCRIPTION </pre>	1) 6	5 PAX	Pas	ssengers							1105	50LB
<pre>TYPE Cashid comfe Trans Total Payload 13195LB * CRJ7 Load Plan STN TYPE UNITS WEIGHT DESCRIPTION</pre>	<pre>TVIP Cashio comic Troub Troub * CRJ7 Load Plan STN TYPE UNITS WEIGHT DESCRIPTION </pre>	2)	l Lot 1 VID	Bag	Jgage Jino Comi	~						19	/5LB
<pre>total payload lights * CRJ7 Load Plan <u>STN TYPE UNITS WEIGHT DESCRIPTION</u> 001 J 6/Seats 1020LB Business Class 002 W 14/Seats 2380LB Comfort Economy 003 Y 46/Seats 7820LB Coach 004 G 17/General 850LB Forward Cargo 005 G 2/General 1125LB Aft Cargo * Load Summary J PAX/J 6 1020LB W PAX/W 14 2380LB Y PAX/Y 46 7820LB G cargo 19 1975LB</pre>	<pre>total payload 13195LB * CRJ7 Load Plan STN TYPE UNITS WEIGHT DESCRIPTION</pre>	3)	I VIP	Cas	SING COMI	_C					,	⊥ ****>	/ULB ****
<pre>* CRJ7 Load Plan STN TYPE UNITS WEIGHT DESCRIPTION 001 J 6/Seats 1020LB Business Class 002 W 14/Seats 2380LB Comfort Economy 003 Y 46/Seats 7820LB Coach 004 G 17/General 850LB Forward Cargo 005 G 2/General 1125LB Aft Cargo * Load Summary J PAX/J 6 1020LB W PAX/W 14 2380LB Y PAX/W 14 2380LB Y PAX/Y 46 7820LB G CARGO 19 1975LB</pre>	<pre>* CRJ7 Load Plan STN TYPE UNITS WEIGHT DESCRIPTION 001 J 6/Seats 1020LB Business Class 002 W 14/Seats 2380LB Comfort Economy 003 Y 46/Seats 7820LB Coach 004 G 17/General 850LB Forward Cargo 005 G 2/General 1125LB Aft Cargo * Load Summary J PAX/J 6 1020LB W PAX/W 14 2380LB Y PAX/W 14 2380LB Y PAX/Y 46 7820LB G CARGO 19 1975LB REMARKS: = PAX FLIGHT WITH SNACK SERVICE. = AVERAGE SNACK SERVICE EST AT 13.0 MINUTES. = ON ARRIVAL AT KSFO EXPECT TAXI TO GATE 141. = NOTE TRANSITION ALTITUDES KRNO=18000 KSCK=18000. = SPECIAL FLAG(S) FOR THIS FLIGHT: PRIORITY. = ARRIVAL WINDOW 5 MINS LATE. = EARLY ARRIVAL CLEARANCE GRANTED DUE TO PRIORITY STATUS. = MINIMUM SAFE DISTANCE DEPARTING KRNO=2400FT. = MINIMUM SAFE DISTANCE ARRIVING KSFO=1400FT. = MINIMUM SAFE DISTANCE ARRIVING KSFO=1400FT. = MINIMUM SAFE DISTANCE ARRIVING KSFO=1400FT. = PEFFORMANCE DATA REQUIRES TOC WITHIN 12 MINS AFTER TAKEOFF. = FOR THIS FLIGHT, COMPANY POLICY REQUIRES LANDING LIGHTS REMAIN ON WHILE BENEATH 10000FT, AND AT PIC'S DISCRETION WHILE ABOVE. = MLW (67000LB) REQUIRES NO MORE THAN 10305LB FUEL ONBOARD.</pre>								TOTAL	PAYL	DAD	1319	95LB
<pre>* CRJ7 Load Plan STN TYPE UNITS WEIGHT DESCRIPTION </pre>	<pre>* CRJ7 Load Plan STN TYPE UNITS WEIGHT DESCRIPTION </pre>												
<pre>SIN TYPE UNITS WEIGHT DESCRIPTION</pre>	<pre>STN TYPE UNITS WEIGHT DESCRIPTION </pre>	* CRJ7	Load Pla	In									
001 J 6/Seats 1020LB Business Class 002 W 14/Seats 2380LB Comfort Economy 003 Y 46/Seats 7820LB Coach 004 G 17/General 850LB Forward Cargo 005 G 2/General 1125LB Aft Cargo * Load Summary J PAX/J 6 1020LB W PAX/W 14 2380LB Y PAX/W 14 2380LB Y PAX/Y 46 7820LB G CARGO 19 1975LB	001 J 6/Seats 1020LB Business Class 002 W 14/Seats 2380LB Comfort Economy 003 Y 46/Seats 7820LB Coach 004 G 17/General 850LB Forward Cargo 005 G 2/General 1125LB Aft Cargo * Load Summary J PAX/J 6 1020LB W PAX/W 14 2380LB Y PAX/W 14 2380LB Y PAX/Y 46 7820LB G CARGO 19 1975LB	STN TY	PE UNITS	; 	WEIGHT	DE:		ON					
002 W 14/Seats 2380LB Comfort Economy 003 Y 46/Seats 7820LB Coach 004 G 17/General 850LB Forward Cargo 005 G 2/General 1125LB Aft Cargo * Load Summary J PAX/J 6 1020LB W PAX/W 14 2380LB Y PAX/Y 46 7820LB G CARGO 19 1975LB	002 W 14/Seats 2380LB Comfort Economy 003 Y 46/Seats 7820LB Coach 004 G 17/General 850LB Forward Cargo 005 G 2/General 1125LB Aft Cargo * Load Summary J PAX/J 6 1020LB W PAX/W 14 2380LB Y PAX/Y 46 7820LB G CARGO 19 1975LB	001 J	6/Sea	ts	1020LB	Bus	siness	Class					
<pre>003 Y 46/Seats 7820LB Coach 004 G 17/General 850LB Forward Cargo 005 G 2/General 1125LB Aft Cargo * Load Summary J PAX/J 6 1020LB W PAX/W 14 2380LB Y PAX/Y 46 7820LB G CARGO 19 1975LB</pre>	<pre>003 Y 46/Seats 7820LB Coach 004 G 17/General 850LB Forward Cargo 005 G 2/General 1125LB Aft Cargo * Load Summary J PAX/J 6 1020LB W PAX/W 14 2380LB Y PAX/Y 46 7820LB G CARGO 19 1975LB</pre>	002 W	14/Sea	ts	2380LB	Cor	nfort E	lconomy	7				
<pre>004 G 17/General 850LB Forward Cargo 005 G 2/General 1125LB Aft Cargo * Load Summary J PAX/J 6 1020LB W PAX/W 14 2380LB Y PAX/W 14 2380LB G CARGO 19 1975LB</pre>	004 G 17/General 850LB Forward Cargo 005 G 2/General 1125LB Aft Cargo * Load Summary J PAX/J 6 1020LB W PAX/W 14 2380LB Y PAX/W 14 2380LB Y PAX/Y 46 7820LB G CARGO 19 1975LB	003 Y	46/Sea	ts -	7820LB	Coa	ach						
<pre>* Load Summary J PAX/J 6 1020LB W PAX/W 14 2380LB Y PAX/Y 46 7820LB G CARGO 19 1975LB</pre>	<pre>* Load Summary J PAX/J 6 1020LB W PAX/W 14 2380LB Y PAX/Y 14 2380LB G CARGO 19 1975LB</pre>	004 G	17/Gen	eral	850LB	Foi	rward C	argo					
<pre>* Load Summary J PAX/J 6 1020LB W PAX/W 14 2380LB Y PAX/Y 14 2380LB G CARGO 19 1975LB</pre>	<pre>* Load Summary J PAX/J 6 1020LB W PAX/W 14 2380LB Y PAX/Y 46 7820LB G CARGO 19 1975LB</pre>	005 G	Z/Gen	lerar	TIZƏLB	AL	L Cargo)					
J PAX/J 6 1020LB W PAX/W 14 2380LB Y PAX/Y 46 7820LB G CARGO 19 1975LB REMARKS: - PAX FLIGHT WITH SNACK SERVICE. - AVERAGE SNACK SERVICE EST AT 13.0 MINUTES. - ON ARRIVAL AT KSFO EXPECT TAXI TO GATE 141. - NOTE TRANSITION ALTITUDES KRNO=18000 KSFO=18000 KSCK=18000. - SPECIAL FLAG(S) FOR THIS FLIGHT: PRIORITY. - ARRIVAL WINDOW 5 MINS LATE. - EARLY ARRIVAL CLEARANCE GRANTED DUE TO PRIORITY STATUS. - MINIMUM SAFE DISTANCE DEPARTING KRNO=2400FT. - MINIMUM SAFE DISTANCE ARRIVING KSFO=1400FT. - MINIMUM SAFE DISTANCE ARRIVING KSCK=1400FT. - PERFORMANCE DATA REQUIRES TOC WITHIN 12 MINS AFTER TAKEOFF. - FOR THIS FLIGHT, COMPANY POLICY REQUIRES LANDING LIGHTS REMAIN ON WHILE BENEATH 1000FT, AND AT PIC'S DISCRETION WHILE ABOVE. - MUM (6700LB) REQUIRES NO MORE THAN 10305LE FUEL ONBOARD	J PAX/J 6 1020LB W PAX/W 14 2380LB Y PAX/Y 46 7820LB G CARGO 19 1975LB	* Load	Summary										
<pre>W PAX/W 14 2380LB Y PAX/Y 46 7820LB G CARGO 19 1975LB REMARKS: PAX FLIGHT WITH SNACK SERVICE. AVERAGE SNACK SERVICE EST AT 13.0 MINUTES. ON ARRIVAL AT KSFO EXPECT TAXI TO GATE 141. NOTE TRANSITION ALTITUDES KRNO=18000 KSFO=18000 KSCK=18000. SPECIAL FLAG(S) FOR THIS FLIGHT: PRIORITY. ARRIVAL WINDOW 5 MINS LATE. EARLY ARRIVAL CLEARANCE GRANTED DUE TO PRIORITY STATUS. MINIMUM SAFE DISTANCE DEPARTING KRNO=2400FT. MINIMUM SAFE DISTANCE ARRIVING KSFO=1400FT. MINIMUM SAFE DISTANCE ARRIVING KSFO=1400FT. PERFORMANCE DATA REQUIRES TOC WITHIN 12 MINS AFTER TAKEOFF. FOR THIS FLIGHT, COMPANY POLICY REQUIRES LANDING LIGHTS REMAIN ON WHILE BENEATH 10000FT, AND AT PIC'S DISCRETION WHILE ABOVE. MUM (67000LB) REQUIRES NO MORE THAN 10305LB FUEL ONBOARD </pre>	<pre>W PAX/W 14 2380LB Y PAX/Y 46 7820LB G CARGO 19 1975LB</pre> REMARKS: - PAX FLIGHT WITH SNACK SERVICE AVERAGE SNACK SERVICE EST AT 13.0 MINUTES ON ARRIVAL AT KSFO EXPECT TAXI TO GATE 141 NOTE TRANSITION ALTITUDES KRNO=18000 KSFO=18000 KSCK=18000 SPECIAL FLAG(S) FOR THIS FLIGHT: PRIORITY ARRIVAL WINDOW 5 MINS LATE EARLY ARRIVAL CLEARANCE GRANTED DUE TO PRIORITY STATUS MINIMUM SAFE DISTANCE DEPARTING KRNO=2400FT MINIMUM SAFE DISTANCE ARRIVING KSFO=1400FT MINIMUM SAFE DISTANCE ARRIVING KSCK=1400FT PERFORMANCE DATA REQUIRES TOC WITHIN 12 MINS AFTER TAKEOFF FOR THIS FLIGHT, COMPANY POLICY REQUIRES LANDING LIGHTS REMAIN ON WHILE BENEATH 10000FT, AND AT PIC'S DISCRETION WHILE ABOVE MLW (67000LB) REQUIRES NO MORE THAN 10305LB FUEL ONBOARD.	J PAX/	J 6	10201	B								
<pre>REMARKS: PAX FLIGHT WITH SNACK SERVICE. AVERAGE SNACK SERVICE EST AT 13.0 MINUTES. ON ARRIVAL AT KSFO EXPECT TAXI TO GATE 141. NOTE TRANSITION ALTITUDES KRNO=18000 KSFO=18000 KSCK=18000. SPECIAL FLAG(S) FOR THIS FLIGHT: PRIORITY. ARRIVAL WINDOW 5 MINS LATE. EARLY ARRIVAL CLEARANCE GRANTED DUE TO PRIORITY STATUS. MINIMUM SAFE DISTANCE DEPARTING KRNO=2400FT. MINIMUM SAFE DISTANCE ARRIVING KSFO=1400FT. MINIMUM SAFE DISTANCE ARRIVING KSCK=1400FT. PERFORMANCE DATA REQUIRES TOC WITHIN 12 MINS AFTER TAKEOFF. FOR THIS FLIGHT, COMPANY POLICY REQUIRES LANDING LIGHTS REMAIN ON WHILE BENEATH 1000FT, AND AT PIC'S DISCRETION WHILE ABOVE. MUM (67000LB) REQUIRES NO MORE THAN 103051B FUEL ONBOARD</pre>	<pre>Y PAX/Y 46 7820LB G CARGO 19 1975LB</pre>	W PAX/	W 14	23801	B								
<pre>REMARKS: - PAX FLIGHT WITH SNACK SERVICE. - AVERAGE SNACK SERVICE EST AT 13.0 MINUTES. - ON ARRIVAL AT KSFO EXPECT TAXI TO GATE 141. - NOTE TRANSITION ALTITUDES KRNO=18000 KSFO=18000 KSCK=18000. - SPECIAL FLAG(S) FOR THIS FLIGHT: PRIORITY. - ARRIVAL WINDOW 5 MINS LATE. - EARLY ARRIVAL CLEARANCE GRANTED DUE TO PRIORITY STATUS. - MINIMUM SAFE DISTANCE DEPARTING KRNO=2400FT. - MINIMUM SAFE DISTANCE ARRIVING KSFO=1400FT. - MINIMUM SAFE DISTANCE ARRIVING KSFO=1400FT. - MINIMUM SAFE DISTANCE ARRIVING KSCK=1400FT. - PERFORMANCE DATA REQUIRES TOC WITHIN 12 MINS AFTER TAKEOFF. - FOR THIS FLIGHT, COMPANY POLICY REQUIRES LANDING LIGHTS REMAIN ON WHILE BENEATH 10000FT, AND AT PIC'S DISCRETION WHILE ABOVE. - MUW (670001B) BEQUIRES NO MORE THAN 103051B FUEL ONBOARD</pre>	<pre>REMARKS: - PAX FLIGHT WITH SNACK SERVICE. - AVERAGE SNACK SERVICE EST AT 13.0 MINUTES. - ON ARRIVAL AT KSFO EXPECT TAXI TO GATE 141. - NOTE TRANSITION ALTITUDES KRNO=18000 KSFO=18000 KSCK=18000. - SPECIAL FLAG(S) FOR THIS FLIGHT: PRIORITY. - ARRIVAL WINDOW 5 MINS LATE. - EARLY ARRIVAL CLEARANCE GRANTED DUE TO PRIORITY STATUS. - MINIMUM SAFE DISTANCE DEPARTING KRNO=2400FT. - MINIMUM SAFE DISTANCE ARRIVING KSFO=1400FT. - MINIMUM SAFE DISTANCE ARRIVING KSFO=1400FT. - MINIMUM SAFE DISTANCE ARRIVING KSCK=1400FT. - PERFORMANCE DATA REQUIRES TOC WITHIN 12 MINS AFTER TAKEOFF. - FOR THIS FLIGHT, COMPANY POLICY REQUIRES LANDING LIGHTS REMAIN ON WHILE BENEATH 1000FT, AND AT PIC'S DISCRETION WHILE ABOVE. - MLW (67000LB) REQUIRES NO MORE THAN 10305LB FUEL ONBOARD.</pre>	Y PAX/	Y 46 0 19	/820L	'B								
 REMARKS: PAX FLIGHT WITH SNACK SERVICE. AVERAGE SNACK SERVICE EST AT 13.0 MINUTES. ON ARRIVAL AT KSFO EXPECT TAXI TO GATE 141. NOTE TRANSITION ALTITUDES KRNO=18000 KSFO=18000 KSCK=18000. SPECIAL FLAG(S) FOR THIS FLIGHT: PRIORITY. ARRIVAL WINDOW 5 MINS LATE. EARLY ARRIVAL CLEARANCE GRANTED DUE TO PRIORITY STATUS. MINIMUM SAFE DISTANCE DEPARTING KRNO=2400FT. MINIMUM SAFE DISTANCE ARRIVING KSFO=1400FT. MINIMUM SAFE DISTANCE ARRIVING KSCK=1400FT. PERFORMANCE DATA REQUIRES TOC WITHIN 12 MINS AFTER TAKEOFF. FOR THIS FLIGHT, COMPANY POLICY REQUIRES LANDING LIGHTS REMAIN ON WHILE BENEATH 1000FT, AND AT PIC'S DISCRETION WHILE ABOVE. MIW (67000LB) REQUIRES NO MORE THAN 10305LB FUEL ONBOARD 	<pre>REMARKS: - PAX FLIGHT WITH SNACK SERVICE. - AVERAGE SNACK SERVICE EST AT 13.0 MINUTES. - ON ARRIVAL AT KSFO EXPECT TAXI TO GATE 141. - NOTE TRANSITION ALTITUDES KRNO=18000 KSFO=18000 KSCK=18000. - SPECIAL FLAG(S) FOR THIS FLIGHT: PRIORITY. - ARRIVAL WINDOW 5 MINS LATE. - EARLY ARRIVAL CLEARANCE GRANTED DUE TO PRIORITY STATUS. - MINIMUM SAFE DISTANCE DEPARTING KRNO=2400FT. - MINIMUM SAFE DISTANCE ARRIVING KSFO=1400FT. - MINIMUM SAFE DISTANCE ARRIVING KSFO=1400FT. - PERFORMANCE DATA REQUIRES TOC WITHIN 12 MINS AFTER TAKEOFF. - FOR THIS FLIGHT, COMPANY POLICY REQUIRES LANDING LIGHTS REMAIN ON WHILE BENEATH 1000FT, AND AT PIC'S DISCRETION WHILE ABOVE. - MLW (67000LB) REQUIRES NO MORE THAN 10305LB FUEL ONBOARD.</pre>	G CARG	0 19	TAINT	D								
 REMARKS: PAX FLIGHT WITH SNACK SERVICE. AVERAGE SNACK SERVICE EST AT 13.0 MINUTES. ON ARRIVAL AT KSFO EXPECT TAXI TO GATE 141. NOTE TRANSITION ALTITUDES KRNO=18000 KSFO=18000 KSCK=18000. SPECIAL FLAG(S) FOR THIS FLIGHT: PRIORITY. ARRIVAL WINDOW 5 MINS LATE. EARLY ARRIVAL CLEARANCE GRANTED DUE TO PRIORITY STATUS. MINIMUM SAFE DISTANCE DEPARTING KRNO=2400FT. MINIMUM SAFE DISTANCE ARRIVING KSFO=1400FT. MINIMUM SAFE DISTANCE ARRIVING KSCK=1400FT. PERFORMANCE DATA REQUIRES TOC WITHIN 12 MINS AFTER TAKEOFF. FOR THIS FLIGHT, COMPANY POLICY REQUIRES LANDING LIGHTS REMAIN ON WHILE BENEATH 1000FT, AND AT PIC'S DISCRETION WHILE ABOVE. MLW (67000LB) REQUIRES NO MORE THAN 10305LB FUEL ONBOARD 	 REMARKS: PAX FLIGHT WITH SNACK SERVICE. AVERAGE SNACK SERVICE EST AT 13.0 MINUTES. ON ARRIVAL AT KSFO EXPECT TAXI TO GATE 141. NOTE TRANSITION ALTITUDES KRNO=18000 KSFO=18000 KSCK=18000. SPECIAL FLAG(S) FOR THIS FLIGHT: PRIORITY. ARRIVAL WINDOW 5 MINS LATE. EARLY ARRIVAL CLEARANCE GRANTED DUE TO PRIORITY STATUS. MINIMUM SAFE DISTANCE DEPARTING KRNO=2400FT. MINIMUM SAFE DISTANCE ARRIVING KSFO=1400FT. MINIMUM SAFE DISTANCE ARRIVING KSCK=1400FT. PERFORMANCE DATA REQUIRES TOC WITHIN 12 MINS AFTER TAKEOFF. FOR THIS FLIGHT, COMPANY POLICY REQUIRES LANDING LIGHTS REMAIN ON WHILE BENEATH 1000FT, AND AT PIC'S DISCRETION WHILE ABOVE. MLW (67000LB) REQUIRES NO MORE THAN 10305LB FUEL ONBOARD. 												
 PAX FLIGHT WITH SNACK SERVICE. AVERAGE SNACK SERVICE EST AT 13.0 MINUTES. ON ARRIVAL AT KSFO EXPECT TAXI TO GATE 141. NOTE TRANSITION ALTITUDES KRNO=18000 KSFO=18000 KSCK=18000. SPECIAL FLAG(S) FOR THIS FLIGHT: PRIORITY. ARRIVAL WINDOW 5 MINS LATE. EARLY ARRIVAL CLEARANCE GRANTED DUE TO PRIORITY STATUS. MINIMUM SAFE DISTANCE DEPARTING KRNO=2400FT. MINIMUM SAFE DISTANCE ARRIVING KSFO=1400FT. MINIMUM SAFE DISTANCE ARRIVING KSCK=1400FT. PERFORMANCE DATA REQUIRES TOC WITHIN 12 MINS AFTER TAKEOFF. FOR THIS FLIGHT, COMPANY POLICY REQUIRES LANDING LIGHTS REMAIN ON WHILE BENEATH 1000FT, AND AT PIC'S DISCRETION WHILE ABOVE. MLW (67000LB) REQUIRES NO MORE THAN 10305LB FUEL ONBOARD 	 PAX FLIGHT WITH SNACK SERVICE. AVERAGE SNACK SERVICE EST AT 13.0 MINUTES. ON ARRIVAL AT KSFO EXPECT TAXI TO GATE 141. NOTE TRANSITION ALTITUDES KRNO=18000 KSFO=18000 KSCK=18000. SPECIAL FLAG(S) FOR THIS FLIGHT: PRIORITY. ARRIVAL WINDOW 5 MINS LATE. EARLY ARRIVAL CLEARANCE GRANTED DUE TO PRIORITY STATUS. MINIMUM SAFE DISTANCE DEPARTING KRNO=2400FT. MINIMUM SAFE DISTANCE ARRIVING KSFO=1400FT. MINIMUM SAFE DISTANCE ARRIVING KSCK=1400FT. PERFORMANCE DATA REQUIRES TOC WITHIN 12 MINS AFTER TAKEOFF. FOR THIS FLIGHT, COMPANY POLICY REQUIRES LANDING LIGHTS REMAIN ON WHILE BENEATH 1000FT, AND AT PIC'S DISCRETION WHILE ABOVE. MLW (67000LB) REQUIRES NO MORE THAN 10305LB FUEL ONBOARD. 	REMARK	s:										
 AVERAGE SNACK SERVICE EST AT 13.0 MINUTES. ON ARRIVAL AT KSFO EXPECT TAXI TO GATE 141. NOTE TRANSITION ALTITUDES KRNO=18000 KSFO=18000 KSCK=18000. SPECIAL FLAG(S) FOR THIS FLIGHT: PRIORITY. ARRIVAL WINDOW 5 MINS LATE. EARLY ARRIVAL CLEARANCE GRANTED DUE TO PRIORITY STATUS. MINIMUM SAFE DISTANCE DEPARTING KRNO=2400FT. MINIMUM SAFE DISTANCE ARRIVING KSFO=1400FT. MINIMUM SAFE DISTANCE ARRIVING KSCK=1400FT. PERFORMANCE DATA REQUIRES TOC WITHIN 12 MINS AFTER TAKEOFF. FOR THIS FLIGHT, COMPANY POLICY REQUIRES LANDING LIGHTS REMAIN ON WHILE BENEATH 1000FT, AND AT PIC'S DISCRETION WHILE ABOVE. MLW (67000LB) REQUIRES NO MORE THAN 10305LB FUEL ONBOARD 	 AVERAGE SNACK SERVICE EST AT 13.0 MINUTES. ON ARRIVAL AT KSFO EXPECT TAXI TO GATE 141. NOTE TRANSITION ALTITUDES KRNO=18000 KSFO=18000 KSCK=18000. SPECIAL FLAG(S) FOR THIS FLIGHT: PRIORITY. ARRIVAL WINDOW 5 MINS LATE. EARLY ARRIVAL CLEARANCE GRANTED DUE TO PRIORITY STATUS. MINIMUM SAFE DISTANCE DEPARTING KRNO=2400FT. MINIMUM SAFE DISTANCE ARRIVING KSFO=1400FT. MINIMUM SAFE DISTANCE ARRIVING KSCK=1400FT. PERFORMANCE DATA REQUIRES TOC WITHIN 12 MINS AFTER TAKEOFF. FOR THIS FLIGHT, COMPANY POLICY REQUIRES LANDING LIGHTS REMAIN ON WHILE BENEATH 1000FT, AND AT PIC'S DISCRETION WHILE ABOVE. MLW (67000LB) REQUIRES NO MORE THAN 10305LB FUEL ONBOARD. 	- PAX I	FLIGHT WI	TH SN	JACK SERV	VICE.							
 ON ARRIVAL AT KSFO EXPECT TAXI TO GATE 141. NOTE TRANSITION ALTITUDES KRNO=18000 KSFO=18000 KSCK=18000. SPECIAL FLAG(S) FOR THIS FLIGHT: PRIORITY. ARRIVAL WINDOW 5 MINS LATE. EARLY ARRIVAL CLEARANCE GRANTED DUE TO PRIORITY STATUS. MINIMUM SAFE DISTANCE DEPARTING KRNO=2400FT. MINIMUM SAFE DISTANCE ARRIVING KSFO=1400FT. MINIMUM SAFE DISTANCE ARRIVING KSCK=1400FT. PERFORMANCE DATA REQUIRES TOC WITHIN 12 MINS AFTER TAKEOFF. FOR THIS FLIGHT, COMPANY POLICY REQUIRES LANDING LIGHTS REMAIN ON WHILE BENEATH 1000FT, AND AT PIC'S DISCRETION WHILE ABOVE. MLW (67000LB) REQUIRES NO MORE THAN 10305LB FUEL ONBOARD 	 ON ARRIVAL AT KSFO EXPECT TAXI TO GATE 141. NOTE TRANSITION ALTITUDES KRNO=18000 KSFO=18000 KSCK=18000. SPECIAL FLAG(S) FOR THIS FLIGHT: PRIORITY. ARRIVAL WINDOW 5 MINS LATE. EARLY ARRIVAL CLEARANCE GRANTED DUE TO PRIORITY STATUS. MINIMUM SAFE DISTANCE DEPARTING KRNO=2400FT. MINIMUM SAFE DISTANCE ARRIVING KSFO=1400FT. MINIMUM SAFE DISTANCE ARRIVING KSCK=1400FT. PERFORMANCE DATA REQUIRES TOC WITHIN 12 MINS AFTER TAKEOFF. FOR THIS FLIGHT, COMPANY POLICY REQUIRES LANDING LIGHTS REMAIN ON WHILE BENEATH 10000FT, AND AT PIC'S DISCRETION WHILE ABOVE. MLW (67000LB) REQUIRES NO MORE THAN 10305LB FUEL ONBOARD. 	- AVER	AGE SNACK	SERV	VICE EST	AT 13	3.0 MIN	UTES.					
 NOTE TRANSITION ALTITUDES KRNO=18000 KSFO=18000 KSCK=18000. SPECIAL FLAG(S) FOR THIS FLIGHT: PRIORITY. ARRIVAL WINDOW 5 MINS LATE. EARLY ARRIVAL CLEARANCE GRANTED DUE TO PRIORITY STATUS. MINIMUM SAFE DISTANCE DEPARTING KRNO=2400FT. MINIMUM SAFE DISTANCE ARRIVING KSFO=1400FT. MINIMUM SAFE DISTANCE ARRIVING KSCK=1400FT. PERFORMANCE DATA REQUIRES TOC WITHIN 12 MINS AFTER TAKEOFF. FOR THIS FLIGHT, COMPANY POLICY REQUIRES LANDING LIGHTS REMAIN ON WHILE BENEATH 10000FT, AND AT PIC'S DISCRETION WHILE ABOVE. MLW (67000LB) REQUIRES NO MORE THAN 10305LB FUEL ONBOARD 	 NOTE TRANSITION ALTITODES KRNO=18000 KSF0=18000 KSCK=18000. SPECIAL FLAG(S) FOR THIS FLIGHT: PRIORITY. ARRIVAL WINDOW 5 MINS LATE. EARLY ARRIVAL CLEARANCE GRANTED DUE TO PRIORITY STATUS. MINIMUM SAFE DISTANCE DEPARTING KRNO=2400FT. MINIMUM SAFE DISTANCE ARRIVING KSF0=1400FT. MINIMUM SAFE DISTANCE ARRIVING KSCK=1400FT. PERFORMANCE DATA REQUIRES TOC WITHIN 12 MINS AFTER TAKEOFF. FOR THIS FLIGHT, COMPANY POLICY REQUIRES LANDING LIGHTS REMAIN ON WHILE BENEATH 10000FT, AND AT PIC'S DISCRETION WHILE ABOVE. MLW (67000LB) REQUIRES NO MORE THAN 10305LB FUEL ONBOARD. 	- ON A	RRIVAL AT	KSFC) EXPECT	TAXI	TO GAT	'E 141.		7 100	20		
 ARRIVAL WINDOW 5 MINS LATE. EARLY ARRIVAL CLEARANCE GRANTED DUE TO PRIORITY STATUS. MINIMUM SAFE DISTANCE DEPARTING KRNO=2400FT. MINIMUM SAFE DISTANCE ARRIVING KSFO=1400FT. MINIMUM SAFE DISTANCE ARRIVING KSCK=1400FT. PERFORMANCE DATA REQUIRES TOC WITHIN 12 MINS AFTER TAKEOFF. FOR THIS FLIGHT, COMPANY POLICY REQUIRES LANDING LIGHTS REMAIN ON WHILE BENEATH 10000FT, AND AT PIC'S DISCRETION WHILE ABOVE. MLW (67000LB) REQUIRES NO MORE THAN 10305LB FUEL ONBOARD 	 ARRIVAL WINDOW 5 MINS LATE. EARLY ARRIVAL CLEARANCE GRANTED DUE TO PRIORITY STATUS. MINIMUM SAFE DISTANCE DEPARTING KRNO=2400FT. MINIMUM SAFE DISTANCE ARRIVING KSFO=1400FT. MINIMUM SAFE DISTANCE ARRIVING KSCK=1400FT. PERFORMANCE DATA REQUIRES TOC WITHIN 12 MINS AFTER TAKEOFF. FOR THIS FLIGHT, COMPANY POLICY REQUIRES LANDING LIGHTS REMAIN ON WHILE BENEATH 10000FT, AND AT PIC'S DISCRETION WHILE ABOVE. MLW (67000LB) REQUIRES NO MORE THAN 10305LB FUEL ONBOARD. 	- NOTE	TRANSITI	ON AL	JTITUDES JD TUTO I	KRNO=	=18000 r• pptc	KSFO=1	.8000 KSCI	K=180	50.		
 EARLY ARRIVAL CLEARANCE GRANTED DUE TO PRIORITY STATUS. MINIMUM SAFE DISTANCE DEPARTING KRNO=2400FT. MINIMUM SAFE DISTANCE ARRIVING KSFO=1400FT. MINIMUM SAFE DISTANCE ARRIVING KSCK=1400FT. PERFORMANCE DATA REQUIRES TOC WITHIN 12 MINS AFTER TAKEOFF. FOR THIS FLIGHT, COMPANY POLICY REQUIRES LANDING LIGHTS REMAIN ON WHILE BENEATH 10000FT, AND AT PIC'S DISCRETION WHILE ABOVE. MLW (67000LB) REQUIRES NO MORE THAN 10305LB FUEL ONBOARD 	 EARLY ARRIVAL CLEARANCE GRANTED DUE TO PRIORITY STATUS. MINIMUM SAFE DISTANCE DEPARTING KRNO=2400FT. MINIMUM SAFE DISTANCE ARRIVING KSFO=1400FT. MINIMUM SAFE DISTANCE ARRIVING KSCK=1400FT. PERFORMANCE DATA REQUIRES TOC WITHIN 12 MINS AFTER TAKEOFF. FOR THIS FLIGHT, COMPANY POLICY REQUIRES LANDING LIGHTS REMAIN ON WHILE BENEATH 10000FT, AND AT PIC'S DISCRETION WHILE ABOVE. MLW (67000LB) REQUIRES NO MORE THAN 10305LB FUEL ONBOARD. 	- ARRI	IAL FLAG(VAI. WINDC	NW 5 N	ITNS LATE	: LIGП. ?	I: PRIC	RIII.					
 MINIMUM SAFE DISTANCE DEPARTING KRNO=2400FT. MINIMUM SAFE DISTANCE ARRIVING KSFO=1400FT. MINIMUM SAFE DISTANCE ARRIVING KSCK=1400FT. PERFORMANCE DATA REQUIRES TOC WITHIN 12 MINS AFTER TAKEOFF. FOR THIS FLIGHT, COMPANY POLICY REQUIRES LANDING LIGHTS REMAIN ON WHILE BENEATH 10000FT, AND AT PIC'S DISCRETION WHILE ABOVE. MLW (67000LB) REQUIRES NO MORE THAN 10305LB FUEL ONBOARD 	 MINIMUM SAFE DISTANCE DEPARTING KRNO=2400FT. MINIMUM SAFE DISTANCE ARRIVING KSFO=1400FT. MINIMUM SAFE DISTANCE ARRIVING KSCK=1400FT. PERFORMANCE DATA REQUIRES TOC WITHIN 12 MINS AFTER TAKEOFF. FOR THIS FLIGHT, COMPANY POLICY REQUIRES LANDING LIGHTS REMAIN ON WHILE BENEATH 10000FT, AND AT PIC'S DISCRETION WHILE ABOVE. MLW (67000LB) REQUIRES NO MORE THAN 10305LB FUEL ONBOARD. 	- EARL	Y ARRIVAL	CLEA	ARANCE GE	'' Rantei	DUE T	'O PRIC	RITY STAT	rus.			
 MINIMUM SAFE DISTANCE ARRIVING KSF0=1400FT. MINIMUM SAFE DISTANCE ARRIVING KSCK=1400FT. PERFORMANCE DATA REQUIRES TOC WITHIN 12 MINS AFTER TAKEOFF. FOR THIS FLIGHT, COMPANY POLICY REQUIRES LANDING LIGHTS REMAIN ON WHILE BENEATH 10000FT, AND AT PIC'S DISCRETION WHILE ABOVE. MLW (67000LB) REQUIRES NO MORE THAN 10305LB FUEL ONBOARD 	 MINIMUM SAFE DISTANCE ARRIVING KSF0=1400FT. MINIMUM SAFE DISTANCE ARRIVING KSCK=1400FT. PERFORMANCE DATA REQUIRES TOC WITHIN 12 MINS AFTER TAKEOFF. FOR THIS FLIGHT, COMPANY POLICY REQUIRES LANDING LIGHTS REMAIN ON WHILE BENEATH 10000FT, AND AT PIC'S DISCRETION WHILE ABOVE. MLW (67000LB) REQUIRES NO MORE THAN 10305LB FUEL ONBOARD. 	- MINI	MUM SAFE	DISTA	ANCE DEPA	ARTINO	G KRNO=	2400F1	······································				
 MINIMUM SAFE DISTANCE ARRIVING KSCK=1400FT. PERFORMANCE DATA REQUIRES TOC WITHIN 12 MINS AFTER TAKEOFF. FOR THIS FLIGHT, COMPANY POLICY REQUIRES LANDING LIGHTS REMAIN ON WHILE BENEATH 10000FT, AND AT PIC'S DISCRETION WHILE ABOVE. MLW (67000LB) REQUIRES NO MORE THAN 10305LB FUEL ONBOARD 	 MINIMUM SAFE DISTANCE ARRIVING KSCK=1400FT. PERFORMANCE DATA REQUIRES TOC WITHIN 12 MINS AFTER TAKEOFF. FOR THIS FLIGHT, COMPANY POLICY REQUIRES LANDING LIGHTS REMAIN ON WHILE BENEATH 10000FT, AND AT PIC'S DISCRETION WHILE ABOVE. MLW (67000LB) REQUIRES NO MORE THAN 10305LB FUEL ONBOARD. 	- MINI	MUM SAFE	DISTA	ANCE ARRI	VING	KSFO=1	400FT.					
 PERFORMANCE DATA REQUIRES TOC WITHIN 12 MINS AFTER TAKEOFF. FOR THIS FLIGHT, COMPANY POLICY REQUIRES LANDING LIGHTS REMAIN ON WHILE BENEATH 10000FT, AND AT PIC'S DISCRETION WHILE ABOVE. MLW (67000LB) REQUIRES NO MORE THAN 10305LB FUEL ONBOARD 	 PERFORMANCE DATA REQUIRES TOC WITHIN 12 MINS AFTER TAKEOFF. FOR THIS FLIGHT, COMPANY POLICY REQUIRES LANDING LIGHTS REMAIN ON WHILE BENEATH 10000FT, AND AT PIC'S DISCRETION WHILE ABOVE. MLW (67000LB) REQUIRES NO MORE THAN 10305LB FUEL ONBOARD. 	- MINI	MUM SAFE	DISTA	ANCE ARRI	VING	KSCK=1	400FT.					
- FOR THIS FLIGHT, COMPANY POLICY REQUIRES LANDING LIGHTS REMAIN ON WHILE BENEATH 10000FT, AND AT PIC'S DISCRETION WHILE ABOVE. - MLW (67000LB) REQUIRES NO MORE THAN 10305LB FUEL ONBOARD	 FOR THIS FLIGHT, COMPANY POLICY REQUIRES LANDING LIGHTS REMAIN ON WHILE BENEATH 10000FT, AND AT PIC'S DISCRETION WHILE ABOVE. MLW (67000LB) REQUIRES NO MORE THAN 10305LB FUEL ONBOARD. 				FOUTPES	TOC V	VITHIN	12 MIN	IS AFTER ?	TAKEO	FF.		
- MLW (67000LB) REQUIRES NO MORE THAN 10305LB FUEL ONBOARD	- MLW (67000LB) REQUIRES NO MORE THAN 10305LB FUEL ONBOARD.	- PERF	ORMANCE D					DEG T-	NIDING TE			TNT OF	.т.
		- PERFO	ORMANCE D This flig e beneath	HT, C	COMPANY E	POLICY	Y REQUI	RES LA	ANDING LIC	GHTS I	REMA:	IN OI	N
		- PERF(- FOR ' WHIL) - MLW	ORMANCE D THIS FLIG E BENEATH (67000LB)	HT, C 1000 REOU	COMPANY E OFT, ANI JIRES NO	POLICY AT 1 MORE	Y REQUI PIC'S E THAN 1	RES LA DISCRET	ANDING LIC CION WHILE 3 FUEL ONE	GHTS I E ABO' BOARD	REMA: VE.	IN OI	N

Г

FLIGHT RISKS OF NOTE:

- KRNO IS A HIGH ELEVATION AIRPORT.
- PRELIMINARY ESTIMATED TAKEOFF ROLL (DRY RUNWAY NO WIND): 5273FT.
- * CHECK TAKEOFF PERFORMANCE AGAINST ALL OPERATIONAL RUNWAYS
- AND CURRENT CONDITIONS.

RUNWAY DATA:

KRNO

ID	Hdg	Length (C)ffset)	Width	ILS		HW/CW	Flags
7 16L 16R 25 34L 34R FAVOR	74° 164° 164° 254° 344° 344° ABLE R	6093FT 9006FT 11008FT 6093FT 11008FT 9006FT UNWAYS: 16	OFT OFT OFT OFT 990FT OFT SR 16L	150FT 150FT 150FT 150FT 150FT 150FT	110.90	g d		
KSFO								
ID	Hdg	Length (C)ffset)	Width	ILS		HW/CW	Flags
1L 1R 10L 10R 19L 19R 28L 28R FAVOR	12° 12° 102° 102° 192° 282° 282° 282°	7506FT 8654FT 11861FT 10594FT 8654FT 7506FT 10594FT 11861FT UNWAYS: 28	OFT OFT OFT OFT OFT OFT OFT SR 28L	200FT 200FT 200FT 200FT 200FT 200FT 200FT 200FT	108.90 109.55 111.70	G D G D G D	-03-02 -03-02 -02+03 -02+03 +03+02 +03+02 +02-03 +02-03	CL CL
KSCK								
ID	Hdg	Length (C)ffset)	Width	ILS		HW/CW	Flags
11L 11R 29L 29R FAVOR	112° 112° 292° 292° ABLE R	10647FT 4457FT 4457FT 10647FT UNWAY: 29F	OFT OFT OFT 1000FT	150FT 75FT 75FT 150FT	109.10	- -	+04-00 +04-00 -04+00 -04+00	

Section 1 - General Information

RITTENHOUSE AIRLI	INES DISPATCH RELEA	SE FSCAPTAIN 1.7.2
FLIGHT 9648 KRNO (RNO)	- KSFO (SFO) ALT KSCK (SCK) 03-APR-16 18:31Z
AIRCRAFT (TBA) TYPE CRJ7	OUT:	DFF:
CREW INFORMATION: DISP: H H TABBIDY PIC : GEOFFREY SPAULDING	/	(SIGNED) (SIGNED)

This is the easy part – this section begins by listing your airline and the version of FSCaptain you're using along with your flight details – the flight number and the departure, destination and alternate airports. Both ICAO and IATA airport IDs are used (if available).

Next the scheduled date and time of departure and arrival would be listed – however since this is a charter flight, the date and time of dispatch is noted.

The aircraft's type and tail number come next. Since this flight has not started, the actual aircraft has not been selected, and so the registration is noted as "TBA" – To Be Announced.

Next is space to note the four OOOI events (Out of the gate, Off the runway, On the runway, In to the gate). If you choose to print your Dispatch Release, you may enter the times as each event occurs. However after the flight finishes, you can look for a special "IN" version of the Dispatch release to see that the ACME system will have noted those times for you.

Finally there is room for both the Dispatcher and the Pilot in Command to literally "sign off" on the contents of this Release. Physical signatures are not necessary when using the ACME system – electronic sign offs are used. Especially when the Captain is such an intrepid explorer....

Section 2 - Fuel and Weights

FUEL	CALCULATION		WEIGHT/FUEL B	REAKDOWN		
MIN	OLB		ZFW	56695LB		
TAXI	440LB	28MIN	T/O FOB	11080LB	(MAX:	19590LB)
KSFO	3062LB	26MIN	PLANNED TOW	67775LB	(MAX:	75000LB)
KSCK	812LB	7MIN	ENROUTE BURN	3062LB	(Burn	775LB for MLW)
RSV	5220LB	45MIN	PLANNED LDW	64713LB	(MAX:	67000LB)
HOLD	1740LB	15MIN	DESTINATION FOB	7798LB		
PIC-A	. 26LB		ALTERNATE FOB	6986LB		
* * * * * * * * * * * * * * * * * * * *						
TOTAL	11300LB	121MIN				

This section demands the Captain's exact attention to detail. It's the balance of fuel and weight that is needed to have a safe flight while preparing for the unexpected. In short, you need to have enough fuel to get your flight to where it's going, to allow for a diversion to the *alternate* airport, to account for a short ATC holding (either in-air or on the ground), and to have a reserve to account for unexpected winds or further ATC demands. To look at this one way, one would think that everyone would want as much fuel as possible!

However aircraft manufacturers perform tests to arrive at Maximum Take Off Weight and Maximum Landing Weight values which Captains are required to adhere to for a "legal" flight in most countries. This is where the "balance" comes in....

The left side of this section includes the fuel amounts and their associated burn times at the listed airspeed. Times are included to give a sense of knowing what you have in respect to where you're going. After all, knowing the weight or volume of fuel is quite different than *knowing how long it will allow you to fly*.

MIN is the aircraft's minimum fuel requirements – just be aware this is not the same as declaring "minimum fuel" in flight. Some aircraft have a requirement to always keep a small amount of fuel in their tanks and this would be entered in the aircraft's configuration data section of the Administrator. It's an unchanging value – every flight would contain the same amount.

TAXI is the amount of fuel needed for all taxi operations, using the sizes of the departure and destination airports (as well as aircraft fuel flow) for calculation.

Next we come to the enroute values to go to the destination (either directly, or with a flight plan) and then directly to the alternate airport.

PIC-A is the *Pilot in Command's [Fuel] Adjustment*. The Captain is in full control of the flight, and if the Captain wants to fly with more or less fuel than the company's dispatch office recommends, this is where the difference is recorded. It seems that our intrepid Captain Spaulding has chosen to round up the fuel to the next hundred pounds. He must have good reason....

Finally, amounts and times are tallied and displayed. Recall this flight is set for 54 minutes from OUT to IN, and yet there's two hours' worth of flying time in terms of fuel onboard.

FUELCALCULATIONMIN0LBTAXI440LBKSFO3062LBKSCK812LBRSV5220LBHOLD1740LBPIC-A26LB	28MIN 26MIN 7MIN 45MIN 15MIN	WEIGHT/FUEL E ZFW T/O FOB PLANNED TOW ENROUTE BURN PLANNED LDW DESTINATION FOB ALTERNATE FOB	REAKDOWN 56695LB 11080LB 67775LB 3062LB 64713LB 7798LB 6986LB	(MAX: (MAX: (Burn (MAX:	19590LB) 75000LB) 775LB for 67000LB)	MLW)
* * * * * * * * * * * * * * * *	* * * * * * * * *					
TOTAL 11300LB	121MIN					

The right side of this section holds the Weight & Fuel breakdown values – this includes various weights, from the Zero Fuel Weight of the aircraft (empty weight plus load weight), the Take Off Fuel On Board (which is not the same as the Total Fuel at startup – half the Taxi fuel is allocated here), the planned enroute burn, the planned Landing Weight, and the Fuel On Board estimates for the destination and the alternate.

If your aircraft has defined MTOW and MLW weights, you will see them (together with the maximum fuel load) aside the flight values.

If your aircraft will take off at a weight greater than its MLW you will see the amount of fuel that you need to burn off in order land at or below MLW. We can calculate this burn amount ourselves by subtracting the ZFW value from the MLW value to get 10305 lbs. Factoring that against the total fuel *at takeoff*, we can see that 775lbs of fuel will need to burn off before landing to avoid a possible Class A inspection of the landing gear.

This is important to know if you have an emergency situation soon after takeoff! You will have to literally weigh the option of landing heavy versus burning off fuel flying holding patterns in a safe area. So in case of a bird strike with no apparent system failure, you can ask ATC for a long holding pattern and land below MLW at your departure airport. However if it's smoke in the cabin or if it's a passenger medical emergency... you should strongly consider landing ASAP and allow the overweight to go to *the hindmost*!

Returning to that extra 26lbs of fuel on our flight – that's well less than one minute at a normal burn rate in a CRJ-700, but even when the intrepid Captain Spaulding sees this need to shed 775lbs of fuel before a normal landing, we think he'll likely drop the extra weight... and could even consider shedding a few hundred more pounds of fuel if weather conditions enroute might call for it.

We'll mention again that all of the numbers used in this section correspond to previous flights flown by many Captains in the CRJ-700 which ships with the (boxed) FSX. If your style of flying this aircraft differs – giving you radically different amounts of fuel to make such a flight – then trust your own numbers.

Section 3 - NOTAMS

```
NOTAMS:
KRNO PIREPS OF INCREASED BIRD ACTVITY NEAR APT.
KSFO POSSIBLE SIMULTANEOUS CLOSE PARALLEL OPERATIONS ON RWYS 28L/R.
```

In the real world, a NOTAM (Notice To AirMen) represents a warning (or notice) of a change in "normal" condition. Perhaps a runway is out of service (OOS), undergoing repairs. Or perhaps it's a section of taxiway, or a navigational aid that's OOS. It could be a mention of a new & temporary obstruction (a crane or tower). Or it could be an amendment to a SID or STAR that only applies to a certain type of aircraft.

In any event, real world NOTAMS have little or no impact on our Flight Simulators. For example, if your favorite airport has lost the DME transmitter on an ILS in real life, that's not likely to be reflected in your sim.

So FSCaptain allows each Captain to specify their own NOTAM for their sceneries, and to have those NOTAMS be mentioned in a Dispatch Release for Departure, Approach or Arrival.

The method to do such is simple – open the \FSCaptain\Config\notams.txt and follow this guide to add NOTAMS that reflect your simulator and your scenery:

; FSCaptain NOTAMS ; The following items will be included on your Dispatch Release (and possibly your ACARS) ; for any flights to or from the designated airport ; Field meanings are: ; 1. ICAO ID ; 2. DEPT=Departure, APCH=Approach (in air), ARRV=Arrival (on ground) ; 3. I=Information (Dispatch Release only), W=Warning (Dispatch Release & ACARS) ; 4. O=Obstacle/Object, N=Navaid ; 5. NOTAM text ; KDAN, ARRV, W, O, TWY NEAR RWY 02 BLDG (ILS) POSS TAXI OBST FOR LARGE ACFT. KACV, DEPT, I, O, COLD TEMPERATURE RESTRICTED AIRPORT. ALTITUDE CORRECTION REQ AT OR BELOW -5C/23F. KACV, APCH, I, O, COLD TEMPERATURE RESTRICTED AIRPORT. ALTITUDE CORRECTION REQ AT OR BELOW -5C/23F. KSFO, APCH, I, O, POSSIBLE SIMULTANEOUS CLOSE PARALLEL OPERATIONS ON RWYS 28L/R.

There are some "built-in" NOTAMs that can appear when certain conditions would apply. Currently, "INCREASED BIRD ACTIVITY" can be noted before departure and on approach. Future conditions are expected to include "EXPECT DEPARTURE DELAY," "EXPECT ARRIVAL DELAY," and even "PIREPS OF LASER ACTIVITY".

Such NOTAMS are not *declarations* of such occurrences, but only to heighten your awareness of such conditions. A BIRD ACTIVITY announcement does not mean you will suffer a bird strike... only the conditions are favorable for such. Likewise, an absence of such an announcement *does not mean you will not have* to worry about a bird strike. Just as in real life, accidents can occur. To those who are prepared, better chances of a positive outcome *can likewise occur*.

WEATHER INFORMATION: * METARs KRNO 031755Z VRB03KT 10SM FEW080 FEW200 SCT250 16/01 A3018 RMK A02 SLP185 T01610006 10161 20067 58002 \$ KSFO 031756Z 05004KT 10SM FEW013 14/10 A3014 RMK A02 SLP205 T01390100 10144 20106 51003 KSCK 031755Z 29004KT 10SM CLR 18/11 A3009 RMK A02 SLP189 T01830106 10183 20106 50002 * Weather Aloft FT 3000 06000 09000 12000 18000 24000 30000 34000 39000 ID KRNO: KRNO 1804 1804+14 1906+09 2016-03 2210-16 2420-28 2522-44 2626-55 2529-62 WAGGE: KCXP 1804 1804+14 1906+09 2015-03 2311-16 2420-28 2523-44 2626-55 2528-62 SPOOK: KTVL 1805 1805+14 1907+09 2016-03 2210-16 2419-28 2521-44 2625-55 2529-63 MELTS: KPVF 1905 1707+13 1808+08 1913-02 2215-16 2319-28 2320-44 2422-54 2425-63 MOD: KMOD 2204 1808+12 1810+09 1811-02 2116-16 2219-28 2118-44 2217-54 2321-63 KSFO: KSFO 2505 1811+11 1813+08 2011-02 2015-16 2019-28 2018-44 2013-54 2222-63 KSCK: KSCK 2305 1810+12 1812+08 1911-02 2115-16 2119-28 2117-44 2114-54 2221-63 * TAFs KSFO 031739Z 0318/0424 VRB03KT P6SM FEW012 SCT014 SCT016 FM032000 28017KT P6SM FEW015 SCT200 FM040400 28015KT P6SM BKN015 FM041000 28007KT P6SM OVC012 FM041800 VRB05KT P6SM SCT012 FM042000 28017KT P6SM BKN200 KSCK 031733Z 0318/0418 33005KT P6SM SKC FM032100 28010KT P6SM SCT250

Weather information is vital to planning a successful flight. Moving through "an ocean of air" requires up-tothe-minute knowledge of conditions. Your Dispatch Release has weather information in three types – METARS (current conditions), TAFS (forecasted conditions) and "Winds Aloft."

METAR and TAF data can be understood through many online sources. If you are curious as to what the codes mean, this two-page FAA document is a good starting point:

http://www.weather.gov/media/okx/Aviation/TAF Card.pdf

The Weather Aloft section is populated only if you have an external weather engine which stores such data on your PC. See the *FSCaptain User Guide – Weather and Hazard Options* section for more details.

The tabular data presented here is easy to decipher – from left to right you see a list of all waypoints in your flight plan, the waypoint's associated weather station, and the wind direction / wind speed / air temperature for various levels in the atmosphere. For example the waypoint SPOOK gets its upper level data from KTVL (Lake Tahoe, California) and from 18000ft – 23999ft, the wind is coming from 220 degrees (position values are all rounded to the nearest 10 degrees, so the last digit is dropped) at 10kts with an air temperature of minus 16C. Very light winds!

Wind speeds above 99kts would be represented by adding 50 to the wind direction and using the latter two digits of the wind speed. So if the wind speed at SPOOK was 110kts, the encoding would be "7210-16".

Subtracting 50 from "72" would give us "22" (representing 220 degrees) and adding 100 to "10" gives us "110" – 110kts.

Because our weather today is excellent for flying, there's something that's not present in the weather section of our Dispatch Release. It's an extra notation of weather conditions that can be derived from the departure and destination METARS. These would be listed directly after the TAF section and are labelled "Significant Weather for this Flight".

Sample items include:

- YSCB CAUTION active frost formation on surfaces.
- EFKE DANGER Probable severe ground icing on surface.
- EDDM Snow conditions favor surface ice formation.
- KRWL Gusts of up to 28 knots reported.
- LEML DANGER Lightning activity in airport vicinity.
- FALA DANGER Thunderstorm activity in airport vicinity.
- UUDD CAUTION Areas of convection possible near airport.
- KTVL CAUTION Nearby reference point obscured.
- EGGD Low visibility reported. Check RVR before takeoff.
- KFAT CAUTION Nearby mountains reported obscured.
- KHAF Ceiling reported below minimums.
- LBSF Local Runways/Taxiways reported slick.
- KDFW DANGER Wind Shear reported.
- HECA Turbulence reported locally.
- SEMC DANGER Volcanic ash in airport vicinity.

All of these are dangerous environmental conditions and should be treated with care!

Gusty winds will also be noted in the Flight Risks section of the Dispatch Release as they have direct impact on aircraft performance parameters in regards to takeoff and landing.

Section 5 – Flight Plan

FLIGHT VIA	PLAN: POS	HDG	(CRUISE ALT	ALT: DIST	200001 TIME	FT) BLOCK	FUEL	WIND	DIR	SPD	ADJ
	KRNO	000	4414FT	0	0:00	0:54	11300LB	4	180	0	0
	WAGGE	180	9454FT	14	0:16	0:38	10708LB	6	190	190	-4
	SPOOK	211	FL200	44	0:06	0:32	9705LB	10	220	300	-7
	MELTS	200	FL200	29	0:03	0:29	9257LB	15	220	450	-12
	MOD	214	FL200	39	0:04	0:25	8654LB	16	210	450	-15
	KSFO	270	12FT	67	0:25	0:00	7798LB	5	250	140	-8
(ALT)	KSCK	072	27FT	56	0:07		6986LB	4	290	250	4

193 NM TOTAL DISTANCE

* ATS Routing

KRNO WAGGE SPOOK MELTS MOD KSFO KSCK



The preceding page lists the flight plan data, the ATS routing string, and a graphic showing the route from KRNO (in the upper right of the graphic) to KSFO (in the lower left).

If you don't use a detailed .PLN, you are considered to have a "direct" flight plan. While that will work, we encourage all Captains to use flight-planning software and generate a valid plan for each flight. Combined with an external weather engine's data, doing so will improve your fuel and block time estimates immensely.

The flight plan data is presented in a tabular format – each row represents a waypoint (with an alternate airport added at the very end), and the columns from left to right display these values:

- VIA The ID of any associated Victor or Jet airway. (For this flight there are none, hence all are blank.)
- POS The waypoint's or airport's ID.
- **HDG** The magnetic heading to this waypoint.
- ALT The estimated aircraft altitude at this waypoint. (This is only governed by the aircraft's climb rate and speeds, with no consideration to SID or STAR restrictions that might be given by ATC.)
- **DIST** The distance in NM to this waypoint.
- **TIME** The time in hours/minutes to traverse from the preceding waypoint to this waypoint.
- BLOCK The Block Time Remaining at this waypoint until the Estimated Time IN.
- FUEL The estimated fuel remaining at this waypoint.
- WIND The estimated wind speed at this waypoint.
- DIR The estimated wind direction at this waypoint. (Rounded to the nearest 10 degrees.)
- **SPD** The estimated aircraft speed for the segment ending at this waypoint. (This speed is not adjusted for wind, and is limited to a max of 250kts when below 10000ft.)
- ADJ The estimated adjustment to aircraft speed at this waypoint, using wind.

So for the flight segment ending at SPOOK, we see that we should have travelled 44nm in 6 minutes, with 32 minutes remaining until we go IN. We should be at our cruise altitude of FL200 with 9705lbs of fuel (recalling our MLW fuel level must be below 10305lbs, so we could land immediately if called upon to). Cruise speed is 450kts, but our average aircraft speed should be 300kts (we were climbing for a portion of this segment... and indeed started the segment below 10000ft, so under ATC limits too). There is a light headwind, suppressing our actual airspeed by 7kts. It's clear that we're expecting a light headwind for all phases of our flight to SFO.

The ATS Routing string can be used to easily port our route data to other applications – which is how the graphic was created. Just copy all elements except the alternate airport (the last item) and paste them into the other application's route entry field.

The service when generated this graphic has applied the SFO weather and is aware of a particular STAR that would be in play given the final waypoint – MOD. So the final "leg" of our flight is showing the MOD5 STAR and we can store that in the back of our thoughts to plan for an actual extra minute or so that isn't included in our Block Time Estimate.

Section 6 - Load Manifest / Load Plan

LOAD MAN	IFEST:					
1) 65 2) 1 3) 1	PAX Pa Lot Ba VIP Ca	ssengers ggage sino Comic		ͲϴͲϪͳ	חגס זעגק	11050LB 1975LB 170LB *******
* CRJ7 L STN TYPE	oad Plan UNITS	WEIGHT	DESCRIPTION			
001 J 002 W 003 Y 004 G 005 G	6/Seats 14/Seats 46/Seats 17/General 2/General	1020LB 2380LB 7820LB 850LB 1125LB	Business Class Comfort Economy Coach Forward Cargo Aft Cargo			
* Load S J PAX/J W PAX/W Y PAX/Y G CARGO	ummary 6 1020 14 2380 46 7820 19 1975	LB LB LB LB				

While it's not critical for each Captain to know all details of the payload on each flight, it does make good sense for the Captain to have an awareness of them.

Here we see that on our flight today, we're carrying passengers and their bags. We're well weighted down, so our Flight Operations office has chosen to not saddle us down with extra cargo – although there is room for more such.

Our aircraft has a detailed load map, so not only do we have a simple Manifest, there is a Load Plan & Summary so we can see how our load will be distributed. Our aircraft has three seating sections – Business, Comfort and Coach – so our passengers shouldn't be packed in like sardines.

If we have the Economic Mode active, we would generate more revenue due to the "J" and "W" class tickets.

One thing that stands out is that our flight will be host to a local VIP – a comic from one of Reno's casinos. This has been noted by Dispatch, and in the next segment – Remarks – you will see that our flight has been tasked with a Priority status. So there will be no early arrival penalties in our efforts to engender a positive response from our well-known passenger. Let's hope that Captain Spaulding has a smooth flight and doesn't arrive late!

Section 7 – Remarks

This section of the Dispatch Release points out some of the many factors that Captain Spaulding will need to account for in our flight. Think of it as a list of the *specific rules* that will govern the flight – and that these rules can change from flight-to-flight.

REMARKS: - PAX FLIGHT WITH SNACK SERVICE. - AVERAGE SNACK SERVICE EST AT 13.0 MINUTES.

First, it's a passenger flight with a requirement for at least one snack service to be performed. Considering our compliment of flight attendants against the number of passengers, an average snack service will take 13 minutes to complete.

Captain Spaulding has made this flight many times and he knows more often than not ATC will initiate approach descent to occur at or before the MOD waypoint – so service should be completed before then as the attendants will begin to clear the cabin. Looking backward in the flight plan, we see there's 13 minutes flight time from WAGGE to SPOOK (6 minutes) to MELTS (3) to MOD (4). So if Captain Spaulding plays his cards right, he should call for service to begin just before reaching WAGGE.

- ON ARRIVAL AT KSFO EXPECT TAXI TO GATE 141.

This is where our flight will go IN. Updated airport charts and ATC guidance should allow for an easy taxi-in.

```
- NOTE TRANSITION ALTITUDES KRNO=18000 KSFO=18000 KSCK=18000.
```

This flight is conducted solely in the United States, so each airport has a Transition Altitude of 18000ft. The aircraft's barometric altimeter on this flight should be set to standard pressure just before Top of Climb.

```
SPECIAL FLAG(S) FOR THIS FLIGHT: PRIORITY.ARRIVAL WINDOW 5 MINS LATE.EARLY ARRIVAL CLEARANCE GRANTED DUE TO PRIORITY STATUS.
```

Here is where our flight's status is noted as Priority... and we see that we cannot be late by more than 5 minutes or risk complaints from our passengers.

MINIMUM SAFE DISTANCE DEPARTING KRNO=2400FT.MINIMUM SAFE DISTANCE ARRIVING KSFO=1400FT.

- MINIMUM SAFE DISTANCE ARRIVING KSCK=1400FT.

This flight will be conducted using Minimum Safe Distance rules, and here are the AGL values that will govern us at or near each of our airports. (The MSD value for the departure applies until descent has been initiated.)

Each of the airports are in a well populated area, so the "congested area" values of 1400ft are used, and since KRNO is in a mountainous area, an additional 1000ft is added as a buffer.

```
- PERFORMANCE DATA REQUIRES TOC WITHIN 12 MINS AFTER TAKEOFF.
```

This airline has defined Top Of Climb calls to be made using the aircraft's listed climb performance values, and we see that Captain Spaulding will need to make the TOC call within just 12 minutes after takeoff or risk being penalized for violating company policy.

```
- FOR THIS FLIGHT, COMPANY POLICY REQUIRES LANDING LIGHTS REMAIN ON WHILE BENEATH 10000FT, AND AT PIC'S DISCRETION WHILE ABOVE.
```

Here it's noted that landing lights are required to be on when below 10000ft for this flight, and at the Captain's discretion when above. It is worth to note here that although the company's Policy Altitude is 10000ft, flying into or out of an airport with an elevation less than 4000ft from the Policy Altitude will call for a different altitude to be used on such flights. Always check the Remarks section to see what is required on each flight.

- MLW (67000LB) REQUIRES NO MORE THAN 10305LB FUEL ONBOARD.

Our final remark for this flight is a reminder that a landing with more than 10305lbs of fuel will exceed the aircraft's Maximum Landing Weight rating.

As noted earlier, these are the remarks which govern *only this flight*. Depending on certain factors on other flights, other remarks may come into play:

- FLIGHT CONDUCTED UNDER CODESHARING AGREEMENT AS 'ACME1234'.
 PAX FLIGHT WITH NO FLIGHT ATTENDENTS.
 PAX FLIGHT WITH OPTIONAL SERVICE.
 FLIGHT ALT OF 12000FT IS BELOW A/C'S SERVICE ALT OF 18000FT.
 FERRY FLIGHT W/O SCHEDULED PAX OR CARGO.
 ARRIVAL WINDOW 14 MINS EARLY TO 5 MINS LATE.
 PARKING AT EGJJ MAY BE DIFFICULT AVAILABILITY UNCERTAIN.
 ON ARRIVAL AT E20 EXPECT WATER TAXI TO RAMP 1.
 ANCHOR, MOOR OR DOCK WHERE POSSIBLE.
 ON ARRIVAL AT EGBB SETDOWN AT ANY OPEN HELIPAD OR AT RAMP 20.
 CYYZ: 6 DEICING PADS ARE AVAILABLE.
 - IF DEICING REMOTELY, PLAN BLOCK TIME AND FUEL ACCORDINGLY.
 - LSZH: ON-STAND DEICING RESTRICTIONS APPLY FOR TURBOJET A/C. USE OF REMOTE DEICING BAYS IS REQUIRED WHEN IN SERVICE. IF DEICING REMOTELY, PLAN BLOCK TIME AND FUEL ACCORDINGLY.
 - CYYJ: ALLOW TIME FOR CUSTOMS PROCESSING ON ARRIVAL. CUSTOMS CAN PROCESS 120 PAX & CREW AT MOST.
 - COMPANY POLICY REQUIRES TOC WITHIN 30 MINS AFTER TAKEOFF.
 - MANIFEST DATA NOT AVAILABLE.
 - FLIGHT PLAN DATA NOT AVAILABLE.
 - BLOCK TIME BASED ON ZERO WIND CALCULATION.

"Remarks" cover several predictable things which impact flights: the flight type – including a possible codeshare designation, required or optional PAX service, parking possibilities (for seaplanes, for other fixed wing aircraft, and for rotorcraft), the presence of (and possible requirement to use) off-stand deicing bays, whether or not it's an international flight (including Souls On Board restrictions), the airline's Top of Climb reporting requirements, and any missing inputs such as a flight plan or upper level weather data.

As mentioned earlier, having both a valid flight plan and current weather data before your flight will allow your airline's dispatch office to generate accurate block time and fuel estimates suited to your style of flying!

Section 8 - Flight Risks



Flight Risks are those elements which can introduce uncertainty or in other words... risk... to a safe flight.

The only risk today is that KRNO is a "high elevation airport" so calculations which are usually based on ISO conditions including "sea level air pressure" must consider the wide variances involved. Normally for a CRJ-700 at MTOW on a dry runway with no wind, the takeoff roll is 5100ft.

The CRJ's MTOW is 7500lbs and our flight is only clocking in at 67775lbs, so the extra elevation greatly increases our takeoff roll! That's a clear risk for a Captain who chooses to ignore precautions.

Other types of flight risks that have been noted include (but are not limited to):

- FLIGHT WITH NO FIRST OFFICER. PIC IS STRONGLY ENCOURAGED TO ADOPT A 'SLOW FLOW' AND FOLLOW ALL CHECKLISTS WITH *EXTREME* DILIGENCE.
 THIS FLIGHT APPEARS TO HAVE LESS THAN 45 MINS OF RESERVE FUEL.
 FLIGHT ABOVE 10000FT IN UNPRESSURIZED A/C. ENSURE ALL PAX & CREW HAVE SUPPLIMENTAL OXYGEN.
 WARNING PLAN EXCEEDS MTOW BY 1400LBS.
 A/C REQUIRES 2300FT TAKEOFF RUNWAY (DRY - NO WIND). 1661FT AVAILABLE AT EGEF.
 A/C REQUIRES 4600FT LANDING RUNWAY (STD / MLW). 5004FT AVAILABLE AT KCEC.
 O88: AIRPORT IS UNCONTROLLED.
 KPSP REPORTS VERY HIGH TEMPS.
 KLAX BRAKING ACTION POOR. CHECK CONDITIONS BEFORE TAXI.
 DISPATCHED WITHOUT ALTERNATE.
 - NZRO: REPORTING MODERATE GALE CONDITIONS.
 - CYWH: REPORTING ROUGH WATER DUE TO WINDS.
 - C39: REPORTING GLASSY WATER EXERCISE CAUTION ON LANDING.

As the Pilot in Command of a flight, a Captain could order the aircraft to be under-fueled, to take passengers into conditions where hypoxia can occur, and even approve a flight where Maximum Take Off Weight is ignored. Flying into or out of uncontrolled airports is not inherently dangerous, but Captains must be aware of the risk that another pilot might not call out their position on the Common Traffic Advisory Frequency.

Runways that may be too short, no help in the cockpit, extremely high temperatures, no alternate for diversion, contaminated runways, strong or gusty winds – even the hidden risks of *calm winds when landing on water*... all of these are risks that Captains must always consider on every flight!

RUNWAY DATA: KRNO ID Hdg Length (Offset) Width ILS HW/CW Flags _____ 7 74° 6093FT 0FT 150FT 16L 164° 9006FT 0FT 150FT 16R 164° 11008FT 0FT 150FT 110.90 G D 25 254° 6093FT 0FT 150FT 34L 344° 11008FT 990FT 150FT 34R 344° 9006FT 0FT 150FT FAVORABLE RUNWAYS: 16R 16L KSFO ID Hdg Length (Offset) Width ILS HW/CW Flags _____ -----1L 12° 7506FT 0FT 200FT -03-02 CL 12° 8654FT 0FT 200FT -03-02 CL 1R 10L 102° 11861FT 0FT 200FT -02+03

 10L
 102*
 11861FT
 0FT
 200FT
 -02+03

 10R
 102°
 10594FT
 0FT
 200FT
 -02+03

 19L
 192°
 8654FT
 0FT
 200FT
 108.90 G D
 +03+02

 19R
 192°
 7506FT
 0FT
 200FT
 +03+02

 28L
 282°
 10594FT
 0FT
 200FT
 109.55 G D
 +02-03

 28R
 282°
 11861FT
 0FT
 200FT
 111.70 G D
 +02-03

 FAVORABLE RUNWAYS: 28R 28L KSCK ID Hdg Length (Offset) Width ILS HW/CW Flags _____

 11L
 112°
 10647FT
 0FT
 150FT

 11R
 112°
 4457FT
 0FT
 75FT

 29L
 292°
 4457FT
 0FT
 75FT

 +04 - 00+04 - 00-04+00 29R 292° 10647FT 1000FT 150FT 109.10 G -04+00 FAVORABLE RUNWAY: 29R

For Captains of fixed wing aircraft, you likely have details of your runways in other applications, but in order for you to properly interpret your Dispatch Release, those details are also included here.

The fields Runway ID, Hdg, Length, and Width are self-explanatory. As for the other fields:

(Offset) – The length of any displaced threshold (not used for landing, but could be used for takeoff).

ILS – If a runway has an ILS attached, the frequency and flags indicating a Glideslope and DME are included.

HW/CW – The headwind and crosswind components using the last reported METAR. If winds are nil or

variable (as they are at KRNO here) then there is no component to be used.

Flags – Indicators if the runway is CL (Closed for Landing) or CT (Closed for Takeoff).

The factors used to denote "favorable runways" are the runway's length, the current winds, and the presence of an ILS. Dispatch usually assigns a 4kt wind speed factor to runways with an ILS – this compliments the normal tendency for ATC to assign ILS runways. (Default ATC will allow up to 12kts of "tailwind speed" to use an ILS runway!)

Please note that because one or more runways have been declared as "favorable," such will not influence any ATC call when it is time to take a runway. These are only added to your Dispatch Release as general guidance to supplement your route planning.

Future versions of FSCaptain will include runway lighting data, more ILS data, and published procedure data. (Eventually this section will expand into a full "Airport Data" section including the airport's COM frequencies.)

Section 10 - Captain Spaulding's Analysis

As Captain Spaulding received his copy of the Dispatch Release, we asked him for his thoughts and he graciously allowed us to record and to transcribe them for study:

"Alright then, today we are on the Reno to SFO haul once again. I like the CRJ7s, they are very easy to handle.

"I see light winds all around, so I expect the calm wind runways to be in effect – the 16s at RNO and the 28s at SFO. Dispatch seems to agree – how thoughtful of them.

"Being at a high elevation, the air is thinner at RNO, but we should not have to worry about takeoff. Reno has been dry as a bone for several days, and we will have plenty of runway in front of us. A CRJ7 would not need the long runways, so we will be fine if given 16L for takeoff. Depending on the airport departure rate at SFO we might be given 28L or 28R. Love their parallel operations on the 28s; we are fully qualified to take them in a CRJ.

"The fuel calculations look fine *for my style of flying*. I even see where I rounded up the total amount – doing that is just a little joke that I enjoy. We seem laden with fuel for the takeoff roll, but even if we catch a turkey in one of the engines and the engine fails, we would only need to burn off less than 600 pounds of JET-A for a textbook single engine landing back at RNO. Although we would have only one engine burning fuel, that engine will be running at nearly full throttle and we should be below MLW after less than ten minutes of flight time. It will take that long for ATC to clear traffic for us, so I see no reason to change the fuel load. The bean counters would not agree, but I never liked beans anyway....

"The weather looks excellent; temperatures are very temperate, there are only a few clouds all around, and it looks dry for the takeoff and only slightly humid for arrival. No precip is reported or is in the TAF. The forecasts at the destination and alternate airports show light winds and great visibility. We should have very light headwinds all throughout our route. What a wonderful day for flying!

"It looks as if we have nearly a full load of passengers and the flight has been advertised as offering snacks, so the attendants will be busy. It is a short flight, so I will not let the ACME automatic system start service; I will do so myself when the time is right. I also see the dispatch office has flagged a known personality onboard so while we will do our usual best to get there on time, at least we will have someone in the cabin to crack some jokes should they be needed. *I love comedians!...*

"Nothing else in the Dispatch Release looks out of the ordinary. So hello, I must be going "

Jeffrey Edgar Spaulding, ATP, Esq, Ec.

Happy flying with ACME!