

**AIRCRAFT PREPARATION ..... COMPLETED (ACCORDING AFM)**
**PREFLIGHT CHECK**

1	Outside check .....	COMPLETED.....	1
2	Aircraft papers.....	CHECKED .....	2
3	Aircraft log.....	CHECKED .....	3
4	Tow bar .....	REMOVED & SECURED.....	4
5	Cabin.....	CHECKED .....	5
6	Load sheet .....	WITHIN LIMITS.....	6

***PREFLIGHT CHECK COMPLETED***
**CHECK BEFORE ENGINE START**

1	Seats.....	ADJUSTED & LOCKED.....	1
2	Parking brake.....	SET .....	2
3	Seat belts & harness.....	FASTENED.....	3
4	Circuit breakers.....	CHECKED .....	4
5	Master Switch .....	ON.....	5
6	Generator Light.....	CHECK «ALT OUT» ON.....	6
7	Voltage.....	MINIMUM 10.5V .....	7
8	Alternate static port.....	NORMAL.....	8
9	Pitch trim .....	CYCLE FULLY UP & DOWN LH & RH SIDE AND CHECK FOR TRIM DISCONNECT.....	9
10	Pitch trim .....	SET NEUTRAL .....	10
11	Fuel quantity .....	L+R, ENDURANCE .....	11
12	Fuel selector .....	FULLER TANK.....	12
13	Throttle.....	FRICITION ADJUST .....	13
14	Doors .....	CLOSED & LOCKED .....	14

***CHECK BEFORE ENGINE START COMPLETED***
**ENGINE START**

1	Navigation lights.....	ON.....	1
2	Ignition key .....	INSERT .....	2
3	Choke.....	push for cold start .....	3
4	Throttle.....	idle / 1 cm if choke is not used.....	4
5	Electric fuel pump .....	ON (check audible pump noise).....	5
6	Ignition switch .....	BOTH .....	6
7	Propeller area .....	CLEAR.....	7
8	Ignition switch .....	START (max. 10").....	8
9	Throttle.....	SET 1000 - 1200 RPM.....	9
10	Oil pressure.....	CHECKED .....	10
11	Choke.....	OFF (SLOWLY) .....	11

***ENGINE START COMPLETED***

**CHECK AFTER ENGINE START**

1	Generator switch	ON, CHECK «ALT OUT» OFF, VOLTAGE>14 V	1
2	Annunciator lights	OFF	2
3	Electric fuel pump	OFF, FUEL PRESSURE LOW WARNING OFF	3
4	Avionics Master	ON (check ATIS)	4
5	Ventilation Heater, Defroster	AS REQUIRED	5
6	Fuel selector	SWITCH TANK	6
7	Flaps	UP	7
8	Flight instruments	SET & CHECKED	8
9	Engine instruments	CHECKED	9

**CHECK AFTER ENGINE START COMPLETED**
**TAXI CHECK**

1.	Brakes & steering	CHECKED	1
2.	Flight instruments	CHECKED	2

**TAXI CHECK COMPLETED**
**RUN UP**

1	Parking brake	SET	1
2	Engine instruments	ALL CAUTION / WARNINGS OFF	2
3	Warm up	OIL TEMP WITHIN LIMITS	3
4	Zone behind aircraft	CLEAR	4
5	Electric fuel pump	ON	5
6	Fuel selector	FULLER TANK	6
7	Throttle	SET 1640 RPM	7
8	Magnetos (L-B-R-L-B)	CHECKED (< -130 RPM, Δ<50 RPM)	8
9	Carburettor heat	CHECK	9
10	Throttle idle	CHECKED (580 - 700 RPM)	10
11	Throttle	SET 1000 RPM	11

**RUN UP COMPLETED**
**CHECK BEFORE DEPARTURE**

1	Electric fuel pump	ON	1
2	Fuel quantity	L+R, ENDURANCE	2
3	Fuel selector	FULLER TANK	3
4	Carburettor heat	OFF	4
5	Magnetos	BOTH	5
6	Trim	SET NEUTRAL	6
7	Flaps	T/O	7
8	Avionics	SET FOR DEPARTURE	8
9	Seat position	CHECKED & LOCKED	9
10	Cabin and pax	SECURED	10
11	Flight controls	FREE & CORRECT	11
12	Departure briefing	COMPLETED	12

**CHECK BEFORE DEPARTURE COMPLETED**

**LINE UP CHECK**

- 1 Doors ..... CLOSED & LOCKED ..... 1
- 2 Time ..... NOTED ..... 2
- 3 Approach sector & runway ..... CLEAR ..... 3
- 4 Strobe light ..... ON ..... 4
- 5 Landing light ..... ON ..... 5

***LINE UP CHECK COMPLETED***

**CLIMB CHECK**

- 1. Flaps ..... UP (above 61 KIAS) ..... 1
- 2. Climb power ..... SET 2100 RPM ..... 2
- 3. Aux fuel pump ..... OFF, FUEL PRESS. LOW WARNING OFF ..... 3

***CLIMB CHECK COMPLETED***

**CRUISE CHECK**

- 1 Altimeter ..... CHECKED (STD / QNH) ..... 1
- 2 Cruise power ..... SET  $\leq$  2250 RPM ..... 2
- 3 Engine instruments ..... CHECKED ..... 3
- 4 Fuel quantity ..... L+R, ENDURANCE ..... 4
- 5 Fuel selector ..... AS REQUIRED ..... 5

***CRUISE CHECK COMPLETED***

**DESCENT CHECK**

- 1 ATIS or AD information ..... NOTED ..... 1
- 2 Approach briefing ..... COMPLETED ..... 2
- 3 Avionics ..... SET & CHECKED ..... 3
- 4 Circuit breakers ..... ALL IN ..... 4
- 5 Cabin & pax ..... SECURED ..... 5

***DESCENT CHECK COMPLETED***

**APPROACH CHECK**

- 1 Altimeter ..... QNH SET ..... 1
- 2 Electric fuel pump ..... ON, CHECK PRESSURE ..... 2
- 3 Fuel quantity ..... L+R, ENDURANCE ..... 3
- 4 Fuel selector ..... FULLER TANK ..... 4
- 5 Carburettor heat ..... AS REQUIRED ..... 5

***APPROACH CHECK COMPLETED***

**LANDING CHECK**

- |   |                        |                       |   |
|---|------------------------|-----------------------|---|
| 1 | Flaps .....            | SET FOR LANDING ..... | 1 |
| 2 | Carburettor heat ..... | OFF (or TO GO) .....  | 2 |

**LANDING CHECK COMPLETED**

**AFTER LANDING CHECK**

- |   |                          |             |   |
|---|--------------------------|-------------|---|
| 1 | Electric fuel pump ..... | OFF .....   | 1 |
| 2 | Flaps .....              | UP .....    | 2 |
| 3 | Strobe light .....       | OFF .....   | 3 |
| 4 | Landing Light .....      | OFF .....   | 4 |
| 5 | Time .....               | NOTED ..... | 5 |

**AFTER LANDING CHECK COMPLETED**

**ENGINE SHUT DOWN AND PARKING**

- |    |                            |                        |    |
|----|----------------------------|------------------------|----|
| 1  | Parking brake .....        | SET .....              | 1  |
| 2  | Throttle .....             | 1200 RPM .....         | 2  |
| 3  | 121.500 .....              | CHECKED .....          | 3  |
| 4  | Avionics Master .....      | OFF .....              | 4  |
| 5  | Electrical consumers ..... | OFF .....              | 5  |
| 6  | Ignition .....             | OFF, KEY REMOVED ..... | 6  |
| 7  | Master & Generator .....   | OFF .....              | 7  |
| 8  | Parking brake .....        | AS REQUIRED .....      | 8  |
| 9  | Flight data .....          | NOTED .....            | 9  |
| 10 | Aircraft .....             | TO BE SECURED .....    | 10 |

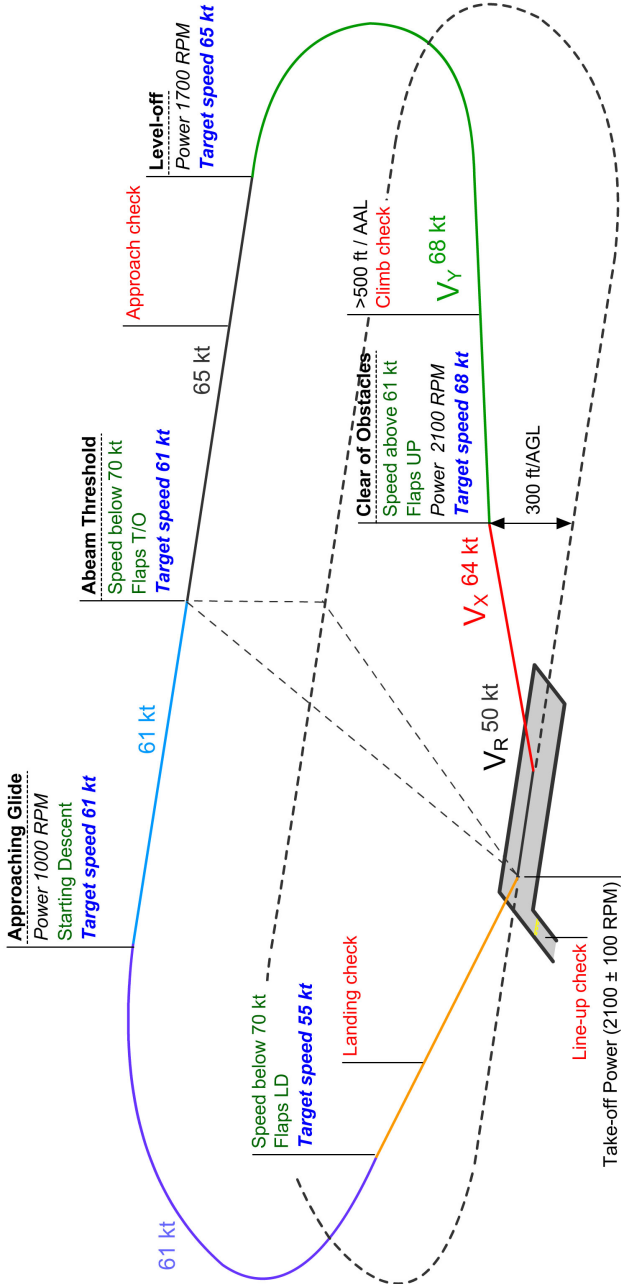
**PARKING CHECK COMPLETED**

**SPEEDS - MTV43 Propeller**

$V_{ROTATE}$ .....	50 KIAS	$V_{initial\ approach - Flaps\ UP}$	65 KIAS
$V_{X, 0^\circ}$ .....	64 KIAS	$V_{initial\ approach - Flaps\ T/O}$	61 KIAS
$V_{Y, 0^\circ}$ .....	68 KIAS	$V_{intermediate\ approach - Flaps\ T/O}$	61 KIAS
$V_A$ (manoeuvring speed) .....	98 KIAS	$V_{FE}$	70 KIAS
$V_{best\ glide\ angle}$ .....	71 KIAS	$V_{FINAL - Flaps\ Landing}$	55 KIAS
$V_{S0}$ .....	40 KIAS	$V_{FINAL - Flaps\ up}$	65 KIAS
$V_{S1}$ .....	49 KIAS	Demo. Crosswind component	15 kt

**Wind increments on Final: for wind  $\geq 10$  kts, add 1/3 of headwind comp or full wind gust spread, whichever is higher, to  $V_{FINAL}$**

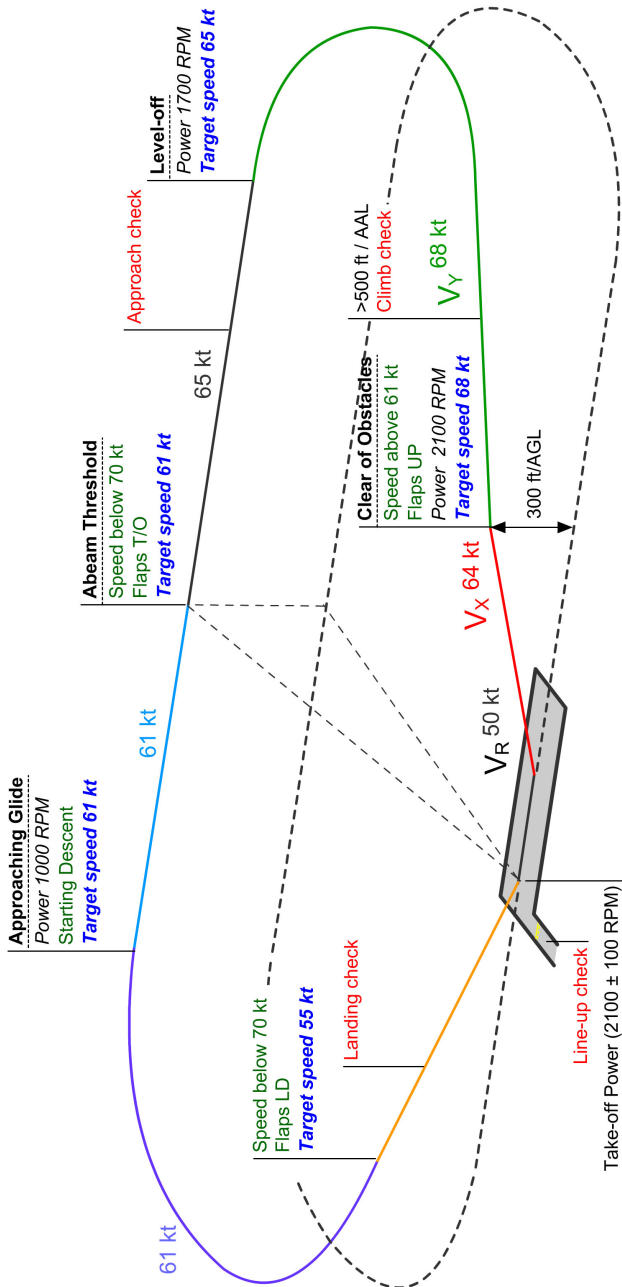
**Traffic Circuit**



**CRUISE PERFORMANCE**

PA [ft]	OAT °C	RPM	TAS [kt]	Fuel. [ Ltr/hr ]	Endurance [hr:mn]	Range [ nm ]	Spec.Range [ nm/lt ]
0	15	2388	116	27.7	4:20	503	4.2
		2250	109	25.8	4:39	507	4.2
		2100	100	22.1	5:26	543	4.5
		2000	94	19.5	6:09	579	4.8
		1900	88	17.6	6:49	600	5.0
		1800	81	15.9	7:33	611	5.1
2000	11	2250	108	25	4:48	518	4.3
		2100	99	20.9	5:44	568	4.7
		2000	93	18.8	6:23	594	5.0
		1900	87	17	7:04	614	5.1
		1800	81	15.5	7:45	627	5.2
4000	7	2250	106	23.9	5:01	532	4.4
		2100	98	20	6:00	588	4.9
		2000	92	18.1	6:38	610	5.1
		1900	86	16.5	7:16	626	5.2
		1800	79	15.2	7:54	624	5.2
6000	3	2250	105	22.7	5:17	555	4.6
		2100	97	19.2	6:15	606	5.1
		2000	91	17.5	6:51	624	5.2
		1900	85	16.1	7:27	634	5.3
		1800	78	14.9	8:03	628	5.2
8000	-1	2250	104	21.5	5:35	581	4.8
		2100	96	18.5	6:29	623	5.2
		2000	90	17	7:04	635	5.3
		1900	84	15.7	7:39	642	5.4
10000	-5	2250	103	20.5	5:51	603	5.0
		2100	95	17.9	6:42	637	5.3
		2000	89	16.6	7:14	643	5.4
		1900	82	15.5	7:45	635	5.3
<b>For deviations from standard temperature consult the AFM</b>							

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