

Massgebend für den Betrieb des Flugzeugs ist ausschliesslich das AFM

## **AEROPLANE PREPARATION**

- |                                    |                 |
|------------------------------------|-----------------|
| 1. Outside check                   | • ACCORDING AFM |
| 2. Documents / Flight Time Counter | • CHECKED       |
| 3. Weight & balance                | • WITHIN LIMITS |
| 4. Towing bar (Deichsel)           | • REMOVED       |

## **BEFORE ENGINE START**

- |                          |                              |
|--------------------------|------------------------------|
| 1. Seat and seatbelts    | • ADJUSTED & FASTENED        |
| 2. Ignition key          | • OFF                        |
| 3. Parking brake         | • SET                        |
| 4. Electrical consumers  | • OFF                        |
| 5. Circuit breakers      | • CHECKED                    |
| 6. Master switch         | • ON                         |
| 7. Elevator trim         | • CHECK TRAVEL, T/O POSITION |
| 8. CED                   | • TEST                       |
| 9. ALTERNATOR switch     | • ON                         |
| 10. Altimeter            | • Set                        |
| 11. Annunciator warnings | • TEST, SET DAY/NIGHT        |
| 12. Avionics Master      | • OFF                        |

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

## **ENGINE START**

- |                               |                           |
|-------------------------------|---------------------------|
| • Strobe light                | • ON                      |
| • Fuel level                  | • CHECK ENDURANCE         |
| • Fuel temperature            | • CHECK                   |
| • Fuel selector               | • ON                      |
| • Alternate induction air     | • Closed                  |
| • Electric pump               | • ON                      |
| • Thrust Lever                | • IDLE                    |
| • Propeller area              | • CLEAR                   |
| • Master Engine Switch        | • ON                      |
| • FADEC lights                | • CHECK OFF               |
| • Glow Control light          | • WAIT UNTIL OFF          |
| • Starter                     | • ON UNTIL 500 RPM        |
| • Oil pressure / Idle RPM 890 | • CHECK                   |
| • Engine/CED Caution light    | • Acknowledge             |
| • ALTERNATOR LIGHT            | • CHECK OFF               |
| • Ammeter                     | • CHECK POSITIVE CHARGING |
| • FADEC lights                | • CHECK OFF               |

### **ENGINE START COMPLETED**

**CHECK AFTER ENGINE START**

- |                              |                 |
|------------------------------|-----------------|
| 1. Electrical Fuel Pump      | • OFF           |
| 2. FADEC BACKUP BATTERY TEST |                 |
| • Alternator                 | • OFF           |
| • Battery                    | • OFF           |
| • Wait max. 5 Seconds        | • NO CAUTIONS   |
| • Battery                    | • ON            |
| • Alternator                 | • ON            |
| 3. Avionics Master Switch    | • ON            |
| 4. COM/NAV                   | • SET FREQUENCY |

**CHECK AFTER ENGINE START COMPLETED**

**TAXI CHECK**

REMARK: **MAX 1400RPM WHEN CED SHOWS YELLOW FOR OIL OR COOLANT**

- |                       |                 |
|-----------------------|-----------------|
| 1. Area               | • FREE          |
| 2. Brakes & steering  | • CHECKED       |
| 3. Flight Instruments | • CHECK COMPASS |

**TAXI CHECK COMPLETED**

**CHECK BEFORE DEPARTURE**

- |                                      |                               |
|--------------------------------------|-------------------------------|
| 1. Parking brake                     | • SET                         |
| 2. Flight Controls                   | • FREE & CORRECT              |
| 3. Flight and Navigation Instruments | • SET                         |
| 4. Fuel Selector Valve               | • OPEN                        |
| 5. Fuel Quantity                     | • CHECKED, ENDURANCE          |
| 6. Elevator Trim                     | • SET FOR T/O                 |
| 7. FADEC self-check                  |                               |
| • Thrust Lever                       | • IDLE                        |
| • FADEC lights                       | • Both OFF                    |
| • FADEC test button                  | • PRESS and HOLD button       |
| • FADEC lamps                        | • LIGHT B, LIGHT A, NO LIGHT  |
| • FADEC test button                  | • RELEASE                     |
| 8. Engine instruments and Voltmeter  | • CHECK                       |
| 9. Flaps                             | • FULL DOWN, THEN T/O POS (1) |
| 10. Electrical fuel pump             | • ON                          |
| 11. Thrust lever friction control    | • SET AS DESIRED              |
| 12. CED                              | • CHECK ALL LEDs GREEN        |
| 13. Departure briefing               | • COMPLETED                   |
| 14. Canopy                           | • CLOSED AND LOCKED           |
| 15. Landing light                    | • ON                          |

**CHECK BEFORE DEPARTURE COMPLETED**

**LINE UP CHECK**

- |                    |                     |
|--------------------|---------------------|
| 1. Approach sector | • FREE              |
| 2. Runway          | • IDENTIFIED        |
| 3. Time            | • NOTED             |
| 4. Take Off Power  | • Min 94%, 2240 RPM |

**LINE UP CHECK COMPLETED****CLIMB CHECK**

- |                |       |
|----------------|-------|
| 1. Flaps       | • UP  |
| 2. Climb Power | • SET |
| 3. Fuel Pump   | • OFF |

**CLIMB CHECK COMPLETED****CRUISE CHECK**

- |                           |                            |
|---------------------------|----------------------------|
| 1. Power                  | • MAX CONTINUOUS POWER 75% |
| 2. Fuel QTY & Temperature | • MONITOR                  |
| 3. CED & Warning Panel    | • CHECK                    |
| 4. Altimeter              | • SET TO STD / QNH         |

**CRUISE CHECK COMPLETED****APPROACH CHECK**

- |   |               |
|---|---------------|
| 1. ATIS   | • CHECKED     |
| 2. Altimeter  | • CHECKED     |
| 3. Approach briefing  | • COMPLETED   |
| 4. Coolant Temperature<br>(INCREASE PWR or PULL CABIN HEAT if YELLOW) | • CHECK GREEN |
| 5. Fuel Pump  | • ON          |
| 6. Fuel QTY   | • CHECKED     |
| 7. Passengers   | • FASTENED    |

**APPROACH CHECK COMPLETED****FINAL CHECK**

- |           |                   |
|-----------|-------------------|
| 1. Flaps  | • SET FOR LANDING |
| 2. Brakes | • CHECKED & CLEAR |

**FINAL CHECK COMPLETED****AFTER LANDING CHECK**

- |                  |         |
|------------------|---------|
| 1. Fuel Pump     | • OFF   |
| 2. Landing light | • OFF   |
| 3. Pitot heat    | • OFF   |
| 4. Flaps         | • UP    |
| 5. Time          | • NOTED |

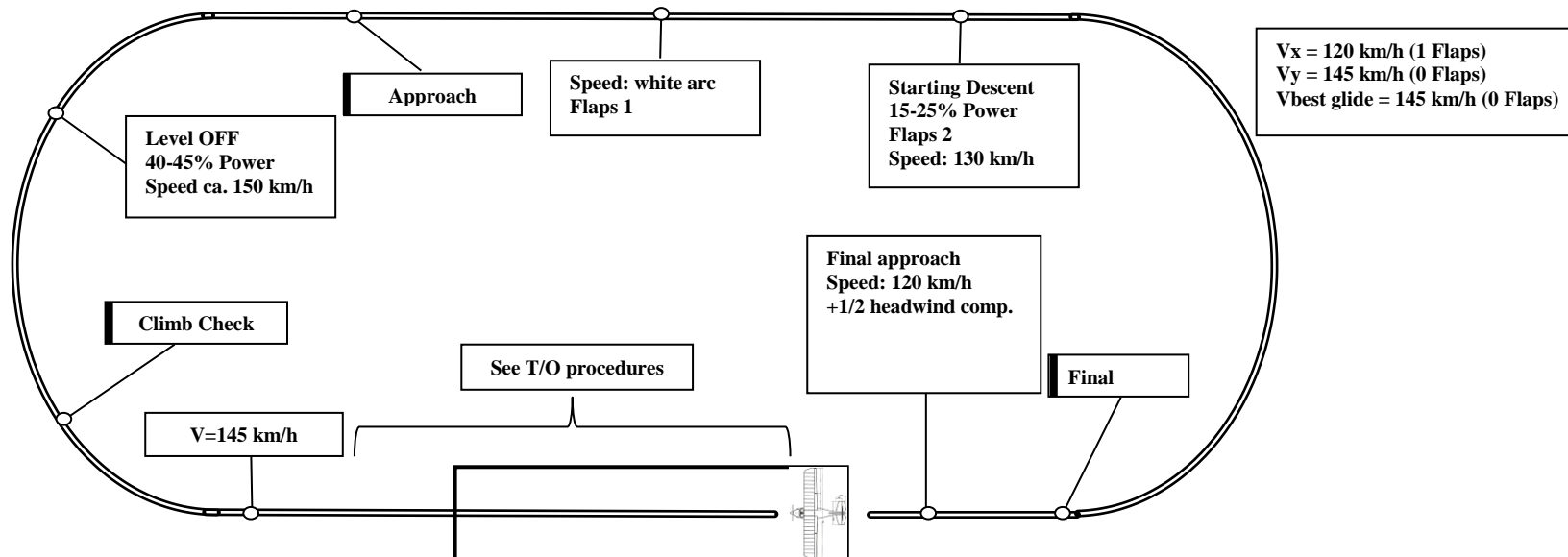
**AFTER LANDING CHECK COMPLETED**

**ENGINE SHUT DOWN AND PARKING**

- |                           |                |
|---------------------------|----------------|
| 1. Parking brake          | • SET          |
| 2. THRUST LEVER           | • > 2 MIN IDLE |
| 3. FLAPS                  | • DOWN         |
| 4. Electrical Consumers   | • OFF          |
| 5. Avionics Master Switch | • OFF          |
| 6. Master Engine Switch   | • OFF          |
| 7. Battery                | • OFF          |
| 8. Parking brake          | • AS REQUIRED  |

**PARKING CHECK COMPLETED**

### FLIGHT PROCEDURES HB-KLM



**ENGINE FIRE ON GROUND & DURING START**

- |                           |            |
|---------------------------|------------|
| 1. Engine Master Switch   | • OFF      |
| 2. Fuel Pump              | • OFF      |
| 3. Fuel selector          | • FUEL OFF |
| 4. Battery and Alternator | • OFF      |
| 5. Pax and Crew           | • EVACUATE |

**FIRE IN FLIGHT**

- |                   |            |
|-------------------|------------|
| 1. Source of fire | • IDENTIFY |
|-------------------|------------|

**IF ENGINE FIRE**

- |   |                  |
|---|------------------|
| 1. Reduce Speed   | • BELOW 185 km/h |
| 2. Engine Master Switch                                   | • OFF            |
| 3. Fuel Pump  | • OFF            |
| 4. Fuel Selector  | • OFF            |
| 5. Cabin Heat   | • OFF            |
| 6. Adjust Cabin Ventilation for lowest smoke in the cabin |                  |
| 7. Elevator Trim  | • BEST GLIDE     |

**PREPARE FOR POWER OFF LANDING****IF ELECTRICAL FIRE AND SMOKE**

- |  |                                   |
|--|-----------------------------------|
| 1. Electrical Consumers  | • OFF (except BAT, ALT, ENG Mast) |
| 2. Cabin Ventilation   | • OFF                             |
| 3. Cabin heat  | • OFF                             |
| 4. Consider turning OFF Battery and Alternator if there is evidence of continued electrical fire |                                   |

**LAND AS SOON AS POSSIBLE****TAKE OFF ABORTION BEFORE LIFT-OFF**

- |           |                 |
|-----------|-----------------|
| 1. Power  | • IDLE          |
| 2. Brakes | • APPLY MAXIMUM |

**TAKE OFF ABORTION AFTER LIFT-OFF**

- |                                |                                  |
|--------------------------------|----------------------------------|
| 1. Nose Down / Establish Glide | • 145 km/h (or 139 km/h FLAPS 1) |
| 2. If Complete Engine Failure  | • FADEC FORCE B                  |
| 3. Battery and Alternator      | • CHECK ON                       |

**WHEN LANDING INEVITABLE CONTINUE WITH POWER OFF LANDING****ALTERNATOR FAILURE****IF ALTERNATOR WARNING ILLUMINATES OR NO ALTERNATOR OUTPUT**

- |                               |                 |
|-------------------------------|-----------------|
| 1. Alternator Switch          | • CHECK ON      |
| 2. Alternator Circuit Breaker | • CHECK PUSH IN |

**IF STILL NO OUTPUT, ALTERNATOR RECYCLING PROCEDURE**

- |                         |                      |
|-------------------------|----------------------|
| 3. Electrical Consumers | • OFF AS PRACTICABLE |
| 4. Alternator Switch    | • OFF                |
| 5. Alternator Switch    | • ON aft 5-10 s      |
| 6. Alternator Output    | • CHECKED            |

**IF STILL NO OUTPUT LAND AS SOON AS PRACTICABLE**

**BOTH FADEC FLASHING**

1. FADEC Test Knob • PRESS AT LEAST 2 SECONDS

**IF LAMPS EXTINGUSIHED CONTINUE FLIGHT NORMALLY**  
INFORM SERVICE CENTER AFTER LANDING

**IF LAMPS STEDY ILLUMINATED**

2. Available Engine Power • CHECKED

**EXPECT ENGINE FAILURE**

3. Speed • BELOW 170 KM/H

**LAND AS SOON AS POSSIBLE**  
INFORM SERVICE CENTER AFTER LANDING

**ONE FADEC FLASHING**

1. FADEC Test Knob • PRESS AT LEAST 2 SECONDS

**IF LAMPS EXTINGUSIHED CONTINUE FLIGHT NORMALLY**  
INFORM SERVICE CENTER AFTER LANDING

**IF LAMPS STEDY ILLUMINATED OBSERVE THE OTHER FADEC LAMP**

2. Speed • BELOW 170 KM/H

**LAND AS SOON AS POSSIBLE**  
INFORM SERVICE CENTER AFTER LANDING

**ENGINE POWER LOSS IN FLIGHT**

- |                     |                       |
|---------------------|-----------------------|
| 1. Attitude         | • BEST GLIDE 145 km/h |
| 2. Fuel selector    | • OPEN                |
| 3. Fuel pump        | • ON                  |
| 4. FADEC A/B Switch | • FORCE B             |

**IF NO IMPROVEMENT OF ENGINE OPERATION**

- |                              |               |
|------------------------------|---------------|
| 5. FADEC A/B Switch          | • AUTO        |
| 6. Reset Engine Master       | • OFF THEN ON |
| 7. Battery and Alternator    | • CHECK ON    |
| 8. FADEC A/B Circuit Brakers | • CHECK ON    |
| 9. Starter                   | • ON          |

**PREPARE FOR POWER OFF LANDING****POWER OFF LANDING**

- |                         |                      |
|-------------------------|----------------------|
| 1. Transmit Emergency   | • 121.500; XPDR 7700 |
| 2. Seatbelt & harness   | • TIGHT              |
| 3. Fuel Pump            | • OFF                |
| 4. Fuel Selector        | • OFF                |
| 5. Engine Master Switch | • OFF                |
| 6. Flaps                | • FULL               |
| 7. Master switch        | • OFF                |
| 8. Canopy               | • UNLATCH            |
| 9. Touch down           | • MINIMUM SPEED      |

**OTHER EMERGENCIES CHECK AFM**