

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. Battery switch       | • ON                         |
| 7. Elevator trim        | • CHECK TRAVEL, T/O POSITION |
| 8. CED                  | • TEST                       |
| 9. Altimeter            | • SET                        |
| 10. Warning lights      | • TEST, SET DAY/NIGHT        |

**CHECK BEFORE ENGINE START COMPLETED**

## ENGINE START

- |                                 |                    |
|---------------------------------|--------------------|
| 1. Flash light                  | • ON               |
| 2. Fuel level                   | • CHECK ENDURANCE  |
| 3. Fuel temperature             | • CHECK            |
| 4. Fuel selector                | • ON               |
| 5. Alternate induction air      | • CLOSED           |
| 6. Electric Fuel pump           | • ON               |
| 7. Thrust Lever                 | • IDLE             |
| 8. Propeller area               | • CLEAR            |
| 9. Engine Master Switch         | • ON               |
| 10. FADEC lights                | • OFF              |
| 11. Glow Control light          | • WAIT UNTIL OFF   |
| 12. Starter                     | • ON UNTIL 500 RPM |
| 13. Oil pressure / Idle RPM 890 | • CHECK            |
| 14. CED Caution light           | • ACK              |
| 15. Alternator light            | • OFF              |
| 16. Voltmeter                   | • CHECK (>13V)     |
| 17. FADEC lights                | • 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 |
| 5. Flaps                     | • UP            |

#### CHECK AFTER ENGINE START COMPLETED

### TAXI CHECK

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

- |                       |                 |
|-----------------------|-----------------|
| 1. Taxi Light         | • ON            |
| 2. Area               | • FREE          |
| 3. Brakes & steering  | • CHECKED       |
| 4. 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                     | • ON                          |
| 5. Fuel Quantity                     | • CHECKED, ENDURANCE          |
| 6. Elevator Trim                     | • SET FOR T/O                 |
| 7. FADEC self-check                  |                               |
| 8. Thrust Lever                      | • IDLE                        |
| 9. FADEC lights                      | • Both OFF                    |
| 10. FADEC test button                | • PRESS and HOLD button       |
| 11. FADEC lamps                      | • LIGHT B, LIGHT A, NO LIGHT  |
| 12. FADEC test button                | • RELEASE                     |
| 13. Engine instruments and Voltmeter | • CHECK                       |
| 14. Flaps                            | • FULL DOWN, THEN T/O POS (1) |
| 15. Electrical fuel pump             | • ON                          |
| 16. CED                              | • CHECK ALL LEDs GREEN        |
| 17. Departure briefing               | • COMPLETED                   |
| 18. Canopy                           | • CLOSED AND LOCKED           |
| 19. Landing light                    | • ON                          |
| 20. Nav 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. Voltmeter                                    | • CHECKED                           |
| 3. Approach briefing                            | • COMPLETED                         |
| 4. Coolant Temperature<br>CABIN HEAT if YELLOW) | • CHECK GREEN (INCREASE PWR or PULL |
| 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. Nav light     | • OFF   |
| 4. Pitot heat    | • OFF   |
| 5. Flaps         | • UP    |
| 6. Time          | • NOTED |

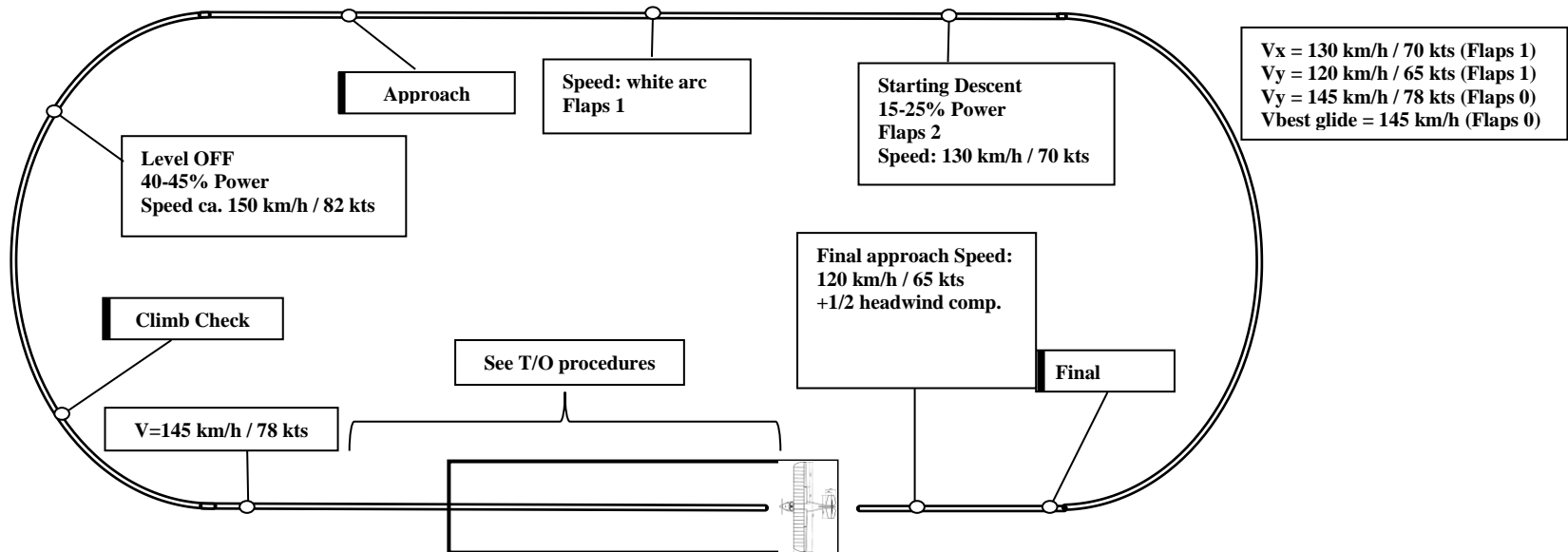
**AFTER LANDING CHECK COMPLETED**

**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. Engine Master 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          | • 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 / 100 kts |
| 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 Master) |
| 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 / 78 kts(or 139 km/h / 75 kts FLAPS 1) |
| 2. If Complete Engine Failure  | • FADEC FORCE B                                   |
| 3. Battery and Alternator      | • CHECK ON  |

### WHEN LANDING INVITABLE 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 after 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 STEADY ILLUMINATED**

2. Available Engine Power
  - CHECK

**EXPECT ENGINE FAILURE**

3. Speed
  - BELOW 185 km/h / 100 kts

**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 STEADY ILLUMINATED OBSERVE THE OTHER FADEC LAMP**

2. Speed
  - BELOW 185 km/h / 100 kts

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

**ENGINE POWER LOSS IN FLIGHT**

- |                     |                                |
|---------------------|--------------------------------|
| 1. Attitude         | • BEST GLIDE 145 km/h / 78 kts |
| 2. Fuel selector    | • ON                           |
| 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**