

FRANKFURT MAIN  
RNAV RWY 18

STANDARD INSTRUMENT DEPARTURE  
ROUTES (SID)

| Designator |                 |                     | Route                                                                                                                                                                                                                                                      |          | After Take-Off                |               |                                                                                                                                                                                                |                               |                      | Procedure remarks                                                                                                                                                                                                                                                                                                                                                                                                 |        |  |
|------------|-----------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------------------|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--|
|            |                 |                     |                                                                                                                                                                                                                                                            |          | Climb to                      |               | Contact                                                                                                                                                                                        |                               |                      |                                                                                                                                                                                                                                                                                                                                                                                                                   |        |  |
| SULUS 6S   |                 |                     | SULUS SIX SIERRA<br>Climb on course 176° to DF158; to DF159; to DF170; to AMTIX; to CINDY; to GIBSA; to COSJE; to SULUS.<br>Cross DF158 at or above 800.<br>Cross DF159 at or above 2500.<br>Cross DF170 at or above 5000.<br>Max. IAS 220kts until DF171. |          | 4000 ft                       |               | LANGEN RADAR<br>136.130 *<br>Contact Langen Radar when advised by Tower!<br><br>* Departure frequency may deviate from the frequency published.<br>Check ATIS for current departure frequency. |                               |                      | 1. Altitude constraint at DF158 due to procedural requirements.<br>2. Altitude constraint at DF159 due to airspace structure, if unable to comply, advise EDDF DELIVERY prior to start-up and expect routing via SULUS L.<br>3. For Operational Runway Use Concept see AD 2 EDDF 5-7-1 and 5-7-2.<br>4. Altitude constraint at DF170 due to glider area, if unable to comply advise EDDF DELIVERY prior start-up. |        |  |
| Route Type | Path Terminator | Waypoint Identifier | Coordinates                                                                                                                                                                                                                                                | Fly-over | (True Track)<br>MAG Track (°) | Distance (NM) | Turn Direction                                                                                                                                                                                 | Altitude (ft)<br>Flight Level | Speed Limit (kt IAS) | NAV Specification                                                                                                                                                                                                                                                                                                                                                                                                 | Remark |  |
| Common     | CF              | DF158               | N 49 58 00.01 E 008 31 34.98                                                                                                                                                                                                                               | N        | (T179.6) 176                  | -             | -                                                                                                                                                                                              | A800+                         | 220-                 | RNAV 1                                                                                                                                                                                                                                                                                                                                                                                                            | -      |  |
| Common     | TF              | DF159               | N 49 56 58.59 E 008 34 25.12                                                                                                                                                                                                                               | N        | (T119.2) 115                  | 2.1           | -                                                                                                                                                                                              | A2500+                        | -                    | RNAV 1                                                                                                                                                                                                                                                                                                                                                                                                            | -      |  |
| Common     | TF              | DF170               | N 49 51 53.99 E 008 48 31.11                                                                                                                                                                                                                               | N        | (T119.1) 115                  | 10.4          | -                                                                                                                                                                                              | A5000+                        | -                    | RNAV 1                                                                                                                                                                                                                                                                                                                                                                                                            | -      |  |
| Common     | TF              | AMTIX               | N 49 45 43.59 E 009 05 29.55                                                                                                                                                                                                                               | N        | (T119.2) 115                  | 12.6          | -                                                                                                                                                                                              | -                             | -                    | RNAV 1                                                                                                                                                                                                                                                                                                                                                                                                            | -      |  |
| Common     | TF              | CINDY               | N 49 44 48.46 E 009 11 15.15                                                                                                                                                                                                                               | N        | (T103.8) 100                  | 3.8           | -                                                                                                                                                                                              | -                             | -                    | RNAV 1                                                                                                                                                                                                                                                                                                                                                                                                            | -      |  |
| Common     | TF              | GIBSA               | N 49 40 05.56 E 009 40 03.14                                                                                                                                                                                                                               | N        | (T104.0) 100                  | 19.3          | -                                                                                                                                                                                              | -                             | -                    | RNAV 1                                                                                                                                                                                                                                                                                                                                                                                                            | -      |  |
| Common     | TF              | COSJE               | N 49 43 03.11 E 009 56 49.20                                                                                                                                                                                                                               | N        | (T074.7) 071                  | 11.3          | -                                                                                                                                                                                              | -                             | -                    | RNAV 1                                                                                                                                                                                                                                                                                                                                                                                                            | -      |  |
| Common     | TF              | SULUS               | N 50 04 30.69 E 010 43 43.71                                                                                                                                                                                                                               | N        | (T054.4) 051                  | 37.2          | -                                                                                                                                                                                              | -                             | -                    | RNAV 1                                                                                                                                                                                                                                                                                                                                                                                                            | -      |  |

| Designator |                 |                     | Route                                                                                                                                                                         |          | After Take-Off             |               |                                                                                                                                                                                             |                            |                      | Procedure remarks                                                                                                                                                                                                                                                |        |  |
|------------|-----------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------------------------|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--|
|            |                 |                     |                                                                                                                                                                               |          | Climb to                   |               | Contact                                                                                                                                                                                     |                            |                      |                                                                                                                                                                                                                                                                  |        |  |
| TOBAK 4R   |                 |                     | TOBAK FOUR ROMEO<br>From RW18 on track 176°, at or above 800 ft. Direct to DF158, maximum speed 220 kts. To DF159, at or above 2500 ft. To DF168. To TUKRU. To MTR. To TOBAK. |          | 4000 ft                    |               | LANGEN RADAR<br>120.155 *<br>Contact Langen Radar when advised by Tower!<br><br>* Departure frequency may deviate from the frequency published. Check ATIS for current departure frequency. |                            |                      | 1. For Operational Runway Use Concept see AD 2 EDDF 5-7-1 and 5-7-2.<br>2. Not for flights continuing via Z10.<br>3. Cross DF159 at 2500 or above. If unable to comply, advise EDDF DELIVERY prior to start-up.<br>4. Do not turn before DER.<br>5. By ATC only. |        |  |
| Route Type | Path Terminator | Waypoint Identifier | Coordinates                                                                                                                                                                   | Fly-over | (True Track) MAG Track (°) | Distance (NM) | Turn Direction                                                                                                                                                                              | Altitude (ft) Flight Level | Speed Limit (kt IAS) | NAV Specification                                                                                                                                                                                                                                                | Remark |  |
| Common     | FA              | RW18                | N 50 02 03.01 E 008 31 33.35                                                                                                                                                  | N        | (T179.6) 176               | -             | -                                                                                                                                                                                           | A800+                      | -                    | RNAV 1                                                                                                                                                                                                                                                           | -      |  |
| Common     | DF              | DF158               | N 49 58 00.01 E 008 31 34.98                                                                                                                                                  | N        | -                          | -             | -                                                                                                                                                                                           | -                          | 220-                 | RNAV 1                                                                                                                                                                                                                                                           | -      |  |
| Common     | TF              | DF159               | N 49 56 58.59 E 008 34 25.12                                                                                                                                                  | N        | (T119.2) 116               | 2.1           | -                                                                                                                                                                                           | A2500+                     | -                    | RNAV 1                                                                                                                                                                                                                                                           | -      |  |
| Common     | TF              | DF168               | N 49 56 20.97 E 008 36 10.06                                                                                                                                                  | N        | (T119.0) 116               | 1.3           | -                                                                                                                                                                                           | -                          | -                    | RNAV 1                                                                                                                                                                                                                                                           | -      |  |
| Common     | TF              | TUKRU               | N 49 56 23.72 E 008 43 15.90                                                                                                                                                  | N        | (T089.4) 086               | 4.6           | -                                                                                                                                                                                           | -                          | -                    | RNAV 1                                                                                                                                                                                                                                                           | -      |  |
| Common     | TF              | MTR                 | N 50 16 34.59 E 008 50 55.05                                                                                                                                                  | N        | (T013.7) 010               | 20.8          | -                                                                                                                                                                                           | -                          | -                    | RNAV 1                                                                                                                                                                                                                                                           | -      |  |
| Common     | TF              | TOBAK               | N 50 34 17.93 E 008 47 08.81                                                                                                                                                  | N        | (T352.3) 349               | 17.9          | -                                                                                                                                                                                           | -                          | -                    | RNAV 1                                                                                                                                                                                                                                                           | -      |  |