

STANDARD DEPARTURE  
ROUTES - INSTRUMENT (SID)  
RNP (GPS)

FRANKFURT MAIN  
RWY 07R  
YANKEE

| Designator                  | Route                                                                                                                                                                                                                                                                                                   |                              |          | After Take-Off              |               |                                                                                                                                                                                            |                              | Remarks Text Page                                                                                                                                                                                                                                                                                                                                                         |                                |                                                                             |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------|-----------------------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-----------------------------------------------------------------------------|
|                             |                                                                                                                                                                                                                                                                                                         |                              |          | Climb to                    |               | Contact                                                                                                                                                                                    |                              |                                                                                                                                                                                                                                                                                                                                                                           |                                |                                                                             |
| SOBRA 1Y                    | SOBRA ONE YANKEE<br>To DF960 on course 061°, at or above 945, RT with 2.20 NM radius to DF969, maximum speed 220 kts, to DF967, RT with 2.30 NM radius to DF966, maximum speed 220 kts, LT with 3.90 NM radius to DF964, maximum speed 250 kts, to DF157, to ROSIG at or above FL90, to DONAB, to SOBRA |                              |          | 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. Check ATIS for current departure frequency.) |                              | 1. PDG 3.9% / 240 ft/NM or more until passing FL90 due to airspace structure. If unable to comply, advise EDDF DELIVERY prior to start-up.<br>2. For flights intending to preceed at FL250 or above via Y180/Y181. Flights have to be able to cross RUDOT at FL 240 or above. If unable to comply, flight plan shall read RUDOT FL 220 - Y180 - NISIV - UY 180 - DIK RFL. |                                |                                                                             |
| Recommended Path Terminator | Waypoint Identifier                                                                                                                                                                                                                                                                                     | Coordinates                  | Fly Over | (True Track°)<br>Mag Track° | Distance (NM) | Turn Direction                                                                                                                                                                             | Altitude (ft) / Flight Level | Speed Limit (kt IAS)                                                                                                                                                                                                                                                                                                                                                      | NAV-Specification              | Remarks                                                                     |
| CF                          | DF960                                                                                                                                                                                                                                                                                                   | N 50 03 28.68 E 008 38 30.45 | -        | (T063.3) 061                | 2.4           | -                                                                                                                                                                                          | A945+                        | -                                                                                                                                                                                                                                                                                                                                                                         | RNP-1/A-RNP<br>RF-Leg required | ARC Centre: DF958<br>N 50 01 30.86<br>E 008 40 02.42<br>ARC Radius: 2.20 NM |
| RF                          | DF969                                                                                                                                                                                                                                                                                                   | N 50 03 34.31 E 008 38 50.42 | -        | -                           | 0.2           | R                                                                                                                                                                                          | -                            | -                                                                                                                                                                                                                                                                                                                                                                         |                                | -                                                                           |
| TF                          | DF967                                                                                                                                                                                                                                                                                                   | N 50 04 16.11 E 008 41 46.05 | -        | (T069.7) 068                | 2             | -                                                                                                                                                                                          | -                            | -                                                                                                                                                                                                                                                                                                                                                                         |                                | -                                                                           |
| RF                          | DF966                                                                                                                                                                                                                                                                                                   | N 50 00 38.98 E 008 45 45.20 | -        | -                           | 6             | R                                                                                                                                                                                          | -                            | 220-                                                                                                                                                                                                                                                                                                                                                                      |                                | ARC Centre: DF965<br>N 50 02 06.78<br>E 008 43 00.22<br>ARC Radius: 2.30 NM |
| RF                          | DF964                                                                                                                                                                                                                                                                                                   | N 49 59 04.15 E 008 44 31.80 | -        | -                           | 1.8           | L                                                                                                                                                                                          | -                            | 250-                                                                                                                                                                                                                                                                                                                                                                      |                                | ARC Centre: DF963<br>N 49 58 09.79<br>E 008 50 24.36<br>ARC Radius: 3.90 NM |
| TF                          | DF157                                                                                                                                                                                                                                                                                                   | N 49 47 27.96 E 008 40 20.26 | -        | (T193.2) 191                | 11.9          | -                                                                                                                                                                                          | -                            | -                                                                                                                                                                                                                                                                                                                                                                         |                                | -                                                                           |
| TF                          | ROSIG                                                                                                                                                                                                                                                                                                   | N 49 46 06.01 E 008 21 33.92 | -        | (T263.7) 262                | 12.3          | -                                                                                                                                                                                          | FL90+                        | -                                                                                                                                                                                                                                                                                                                                                                         |                                | -                                                                           |
| TF                          | DONAB                                                                                                                                                                                                                                                                                                   | N 49 49 15.89 E 008 01 44.83 | -        | (T284.0) 282                | 13.2          | -                                                                                                                                                                                          | -                            | -                                                                                                                                                                                                                                                                                                                                                                         |                                | -                                                                           |
| TF                          | SOBRA                                                                                                                                                                                                                                                                                                   | N 49 51 39.00 E 007 46 32.00 | -        | (T283.7) 282                | 10.1          | -                                                                                                                                                                                          | -                            | -                                                                                                                                                                                                                                                                                                                                                                         |                                | -                                                                           |