



CODING TABLE

| SID RNAV TIVRO 1A RWY 10 | | | | | RIO DE JANEIRO / Galeão-Antônio Carlos Jobim, INTL (SBGL) | | | | | | | SBGL_SID_04S | | 20 MAY 21 | |
|--------------------------|-----------------------|----------|------------|-----------|---|-----------------------------|------|---------------------------|---------------------------|------------------|-------------------------|--------------|--------|-----------------|--------------------------|
| Seq Num | Transition Identifier | Fly Over | Rec Navaid | Fix Ident | Path and Terminator | Course Angle | Turn | Upper Limit Altitude (FT) | Lower Limit Altitude (FT) | Speed Limit (KT) | Speed Limit Description | TM DST (NM) | VA (°) | Role of the Fix | Navigation Specification |
| 10 | RWY | N | N/A | UTMIP | CF | 100.11° Mag 077.06° True | N/A | N/A | N/A | 230 | - | 10.76 | N/A | OTHER | RNAV 1 or RNP 1 |
| 20 | RWY | N | N/A | ISVUL | TF | 172.40° Mag 149.35° True | N/A | N/A | +6000 | 230 | - | 7.00 | N/A | OTHER | RNAV 1 or RNP 1 |
| 10 | COMMON | N/A | N/A | ISVUL | IF | N/A | N/A | N/A | +6000 | 230 | - | N/A | N/A | OTHER | RNAV 1 or RNP 1 |
| 20 | COMMON | N | N/A | EVSQB | TF | 241.61° Mag 218.62° True | N/A | N/A | +9000 | N/A | N/A | 11.14 | N/A | OTHER | RNAV 1 or RNP 1 |
| 30 | COMMON | N | N/A | TIVRO | TF | 241.94° Mag 219.08° True | N/A | N/A | N/A | N/A | N/A | 25.96 | N/A | OTHER | RNAV 1 or RNP 1 |
| 10 | NAXOP | N/A | N/A | TIVRO | IF | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | OTHER | RNAV 1 or RNP 1 |
| 20 | NAXOP | N | N/A | ARSOV | TF | 278.57° Mag 255.92° True | N/A | N/A | +24000 | N/A | N/A | 31.00 | N/A | OTHER | RNAV 1 or RNP 1 |
| 30 | NAXOP | N | N/A | NAXOP | TF | 278.57° Mag 256.01° True | N/A | N/A | N/A | N/A | N/A | 12.91 | N/A | OTHER | RNAV 1 or RNP 1 |
| 10 | BITAK | N/A | N/A | TIVRO | IF | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | OTHER | RNAV 1 or RNP 1 |
| 20 | BITAK | N | N/A | BITAK | TF | 241.15° Mag 218.43° True | N/A | N/A | N/A | N/A | N/A | 22.46 | N/A | OTHER | RNAV 1 or RNP 1 |

| SID RNAV TIVRO 1B RWY 15 | | | | | RIO DE JANEIRO / Galeão-Antônio Carlos Jobim, INTL (SBGL) | | | | | | | SBGL_SID_04S | | 20 MAY 21 | |
|--------------------------|-----------------------|----------|------------|-----------|---|-----------------------------|------|---------------------------|---------------------------|------------------|-------------------------|--------------|--------|-----------------|--------------------------|
| Seq Num | Transition Identifier | Fly Over | Rec Navaid | Fix Ident | Path and Terminator | Course Angle | Turn | Upper Limit Altitude (FT) | Lower Limit Altitude (FT) | Speed Limit (KT) | Speed Limit Description | TM DST (NM) | VA (°) | Role of the Fix | Navigation Specification |
| 10 | RWY | N/A | N/A | N/A | CA | 148.72° Mag 125.75° True | N/A | +500 | N/A | 230 | - | N/A | 3.15 | OTHER | RNAV 1 or RNP 1 |
| 20 | RWY | N | N/A | UTMIP | DF | N/A | L | N/A | N/A | 230 | - | N/A | N/A | OTHER | RNAV 1 or RNP 1 |
| 30 | RWY | N | N/A | ISVUL | TF | 172.40° Mag 149.35° True | N/A | N/A | +6000 | 230 | - | 7.00 | N/A | OTHER | RNAV 1 or RNP 1 |
| 10 | COMMON | N/A | N/A | ISVUL | IF | N/A | N/A | N/A | +6000 | 230 | N/A | N/A | N/A | OTHER | RNAV 1 or RNP 1 |

| | | | | | | | | | | | | | | | |
|----|--------|-----|-----|-------|----|-----------------------------|-----|-----|--------|-----|-----|-------|-----|-------|-----------------|
| 20 | COMMON | N | N/A | EVSOB | TF | 241.61° Mag 218.62° True | N/A | N/A | +9000 | N/A | N/A | 11.14 | N/A | OTHER | RNAV 1 or RNP 1 |
| 30 | COMMON | N | N/A | TIVRO | TF | 241.94° Mag 219.08° True | N/A | N/A | N/A | N/A | N/A | 25.96 | N/A | OTHER | RNAV 1 or RNP 1 |
| 10 | NAXOP | N/A | N/A | TIVRO | IF | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | OTHER | RNAV 1 or RNP 1 |
| 20 | NAXOP | N | N/A | ARSOV | TF | 278.57° Mag 255.92° True | N/A | N/A | +24000 | N/A | N/A | 31.00 | N/A | OTHER | RNAV 1 or RNP 1 |
| 30 | NAXOP | N | N/A | NAXOP | TF | 278.57° Mag 256.01° True | N/A | N/A | N/A | N/A | N/A | 12.91 | N/A | OTHER | RNAV 1 or RNP 1 |
| 10 | BITAK | N/A | N/A | TIVRO | IF | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | OTHER | RNAV 1 or RNP 1 |
| 20 | BITAK | N | N/A | BITAK | TF | 241.15° Mag 218.43° True | N/A | N/A | N/A | N/A | N/A | 22.46 | N/A | OTHER | RNAV 1 or RNP 1 |

| Ident | Latitude / Longitude (WGS84) DD:MM:SS.SS |
|-------|---|
| TIVRO | S 23:20:08.73W 43:23:06.88 |
| ARSOV | S 23:27:46.22W 43:55:47.16 |
| NAXOP | S 23:30:54.70W 44:09:24.54 |
| BITAK | S 23:37:48.60W 43:38:16.80 |
| UTMIP | S 22:45:07.27W 43:01:42.80 |
| ISVUL | S 22:51:10.31W 42:57:50.84 |
| EVSOB | S 22:59:54.64W 43:05:22.58 |

| COD | Meaning |
|-----|----------------|
| + | AT OR ABOVE |
| - | AT OR BELOW |
| @ | AT |
| | RECOMMENDED |
| B | BETWEEN |
| = | AS ASSIGNED |
| SDF | STEPDOWN FIX |
| Y | YES |
| N | NO |
| L | LEFT |
| R | RIGHT |
| N/A | NOT APPLICABLE |

| DER | Latitude / Longitude (WGS84) DD:MM:SS.SS | Elevation (FT) |
|-----|--|----------------|
| 10 | S 22:48:06.66 W 43:15:18.62 | 16 |
| 15 | S 22:48:47.00 W 43:15:46.00 | 16 |