



CODING TABLE

| STAR RNAV UTBOM 2A RWY 10 | | | | | RIO DE JANEIRO / Galeão – Antônio Carlos Jobim, INTL (SBGL) | | | | | | | SBGL_STAR_02B | | 09 SEP 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 | VA (°) | Role of the Fix | Navigation Specification |
| 10 | MAVGU | N | N/A | MAVGU | IF | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | OTHER | RNAV 1 or RNP 1 |
| 20 | MAVGU | N | N/A | OGMUK | TF | 171° Mag 148.8T | N/A | N/A | N/A | N/A | N/A | 8.2 | N/A | OTHER | RNAV 1 or RNP 1 |
| 30 | MAVGU | N | N/A | IVREV | TF | 177° Mag 154.3T | N/A | -25000 | N/A | N/A | N/A | 18.0 | N/A | OTHER | RNAV 1 or RNP 1 |
| 40 | MAVGU | N | N/A | UTNUG | TF | 177° Mag 154.2T | N/A | N/A | N/A | N/A | N/A | 30.9 | N/A | OTHER | RNAV 1 or RNP 1 |
| 50 | MAVGU | N | N/A | VAKUB | TF | 177° Mag 154.2T | N/A | -12000 | N/A | N/A | N/A | 10.6 | N/A | OTHER | RNAV 1 or RNP 1 |
| 60 | MAVGU | N | N/A | GIGSO | TF | 177° Mag 154.2T | N/A | N/A | +7000 | N/A | N/A | 6.0 | N/A | OTHER | RNAV 1 or RNP 1 |
| 70 | MAVGU | N | N/A | UTBOM | TF | 177° Mag 154.1T | N/A | N/A | +6300 | N/A | N/A | 5.5 | N/A | OTHER | RNAV 1 or RNP 1 |
| 80 | MAVGU | N | N/A | ALMOS | TF | 177° Mag 154.2T | N/A | N/A | +6300 | N/A | N/A | 5.1 | N/A | IAF | RNAV 1 or RNP 1 |
| 90 | MAVGU | N | N/A | ALMOS | FM | 275° Mag | N/A | N/A | +6300 | N/A | N/A | N/A | N/A | IAF | RNAV 1 or RNP 1 |
| 10 | MOLSU | N | N/A | MOLSU | IF | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | OTHER | RNAV 1 or RNP 1 |
| 20 | MOLSU | N | N/A | DOKTO | TF | 233° Mag 209.4T | N/A | -28000 | N/A | N/A | N/A | 18.1 | N/A | OTHER | RNAV 1 or RNP 1 |
| 30 | MOLSU | N | N/A | GL006 | TF | 279° Mag 255.6T | N/A | B22000 | B19000 | N/A | N/A | 27.9 | N/A | OTHER | RNAV 1 or RNP 1 |
| 40 | MOLSU | N | N/A | GL014 | TF | 279° Mag 255.7T | N/A | B20000 | B19000 | N/A | N/A | 10.0 | N/A | OTHER | RNAV 1 or RNP 1 |
| 50 | MOLSU | N | N/A | GL016 | TF | 279° Mag 255.7T | N/A | B19000 | B15000 | N/A | N/A | 12.6 | N/A | OTHER | RNAV 1 or RNP 1 |
| 60 | MOLSU | N | N/A | SURNA | TF | 279° Mag 255.8T | N/A | N/A | +13000 | N/A | N/A | 13.9 | N/A | OTHER | RNAV 1 or RNP 1 |
| 70 | MOLSU | N | N/A | GL017 | TF | 224° Mag 201.2T | N/A | -12000 | N/A | N/A | N/A | 5.0 | N/A | OTHER | RNAV 1 or RNP 1 |
| 80 | MOLSU | N | N/A | GIGSO | TF | 224° Mag 201.3T | N/A | N/A | +7000 | N/A | N/A | 7.1 | N/A | OTHER | RNAV 1 or RNP 1 |

| | | | | | | | | | | | | | | | |
|-----|-------|---|-----|-------|----|-------------------------|-----|-----|-------|-----|-----|-----|-----|-------|-----------------|
| 90 | MOLSU | N | N/A | UTBOM | TF | 177° Mag 154.1° True | N/A | N/A | +6300 | N/A | N/A | 5.5 | N/A | OTHER | RNAV 1 or RNP 1 |
| 100 | MOLSU | N | N/A | ALMOS | TF | 177° Mag 154.2T | N/A | N/A | +6300 | N/A | N/A | 5.1 | N/A | IAF | RNAV 1 or RNP 1 |
| 110 | MOLSU | N | N/A | ALMOS | FM | 275° Mag | N/A | N/A | +6300 | N/A | N/A | N/A | N/A | IAF | RNAV 1 or RNP 1 |

| STAR RNAV MEBGA 1A RWY 10 | | | | | RIO DE JANEIRO / Galeão – Antônio Carlos Jobim, INTL (SBGL) | | | | | | | SBGL_STAR_02B | | 09 SEP 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 | VA (°) | Role of the Fix | Navigation Specification |
| 10 | MEBGA | N | N/A | MEBGA | IF | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | OTHER | RNAV 1 or RNP 1 |
| 20 | MEBGA | N | N/A | KOSRU | TF | 120° Mag 97.7T | N/A | N/A | N/A | N/A | N/A | 8.7 | N/A | OTHER | RNAV 1 or RNP 1 |
| 30 | MEBGA | N | N/A | PAI | TF | 120° Mag 97.7T True | N/A | N/A | +11000 | N/A | N/A | 6.7 | N/A | OTHER | RNAV 1 or RNP 1 |
| 40 | MEBGA | N | N/A | GL021 | TF | 117° Mag 94.2T | N/A | N/A | N/A | N/A | N/A | 5.0 | N/A | OTHER | RNAV 1 or RNP 1 |
| 50 | MEBGA | N | N/A | UTBOM | TF | 153° Mag 130.4T | N/A | N/A | +6300 | N/A | N/A | 16.7 | N/A | OTHER | RNAV 1 or RNP 1 |
| 60 | MEBGA | N | N/A | ALMOS | TF | 177° Mag 154.2T | N/A | N/A | +6300 | N/A | N/A | 5.1 | N/A | IAF | RNAV 1 or RNP 1 |
| 70 | MEBGA | N | N/A | ALMOS | FM | 275° Mag | N/A | N/A | +6300 | N/A | N/A | N/A | N/A | IAF | RNAV 1 or RNP 1 |

| STAR RNAV UTBOM 2A RWY 15 | | | | | RIO DE JANEIRO / Galeão – Antônio Carlos Jobim, INTL (SBGL) | | | | | | | SBGL_STAR_02B | | 09 SEP 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 | VA (°) | Role of the Fix | Navigation Specification |
| 10 | MAVGU | N | N/A | MAVGU | IF | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | OTHER | RNAV 1 or RNP 1 |
| 20 | MAVGU | N | N/A | OGMUK | TF | 171° Mag 148.8T | N/A | N/A | N/A | N/A | N/A | 8.2 | N/A | OTHER | RNAV 1 or RNP 1 |
| 30 | MAVGU | N | N/A | IVREV | TF | 177° Mag 154.3T | N/A | -25000 | N/A | N/A | N/A | 18.0 | N/A | OTHER | RNAV 1 or RNP 1 |
| 40 | MAVGU | N | N/A | UTNUG | TF | 177° Mag 154.2T | N/A | N/A | N/A | N/A | N/A | 30.9 | N/A | OTHER | RNAV 1 or RNP 1 |
| 50 | MAVGU | N | N/A | VAKUB | TF | 177° Mag 154.2T | N/A | -12000 | N/A | N/A | N/A | 10.6 | N/A | OTHER | RNAV 1 or RNP 1 |
| 60 | MAVGU | N | N/A | GIGSO | TF | 177° Mag 154.2T | N/A | N/A | +7000 | N/A | N/A | 6.0 | N/A | OTHER | RNAV 1 or RNP 1 |
| 70 | MAVGU | N | N/A | UTBOM | TF | 177° Mag 154.1T | N/A | N/A | +6300 | N/A | N/A | 5.5 | N/A | IAF | RNAV 1 or RNP 1 |

| | | | | | | | | | | | | | | | |
|----|-------|---|-----|-------|----|-------------------------|-----|--------|--------|-----|-----|------|-----|-------|-----------------|
| 10 | MOLSU | N | N/A | MOLSU | IF | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | OTHER | RNAV 1 or RNP 1 |
| 20 | MOLSU | N | N/A | DOKTO | TF | 233° Mag 209.4T | N/A | -28000 | N/A | N/A | N/A | 18.1 | N/A | OTHER | RNAV 1 or RNP 1 |
| 30 | MOLSU | N | N/A | GL006 | TF | 279° Mag 255.6T | N/A | B22000 | B19000 | N/A | N/A | 27.9 | N/A | OTHER | RNAV 1 or RNP 1 |
| 40 | MOLSU | N | N/A | GL014 | TF | 279° Mag 255.7T | N/A | B20000 | B19000 | N/A | N/A | 10.0 | N/A | OTHER | RNAV 1 or RNP 1 |
| 50 | MOLSU | N | N/A | GL016 | TF | 279° Mag 255.7T | N/A | B19000 | B15000 | N/A | N/A | 12.6 | N/A | OTHER | RNAV 1 or RNP 1 |
| 60 | MOLSU | N | N/A | SURNA | TF | 279° Mag 255.8T | N/A | N/A | +13000 | N/A | N/A | 13.9 | N/A | OTHER | RNAV 1 or RNP 1 |
| 70 | MOLSU | N | N/A | GL017 | TF | 224° Mag 201.2T | N/A | -12000 | N/A | N/A | N/A | 5.0 | N/A | OTHER | RNAV 1 or RNP 1 |
| 80 | MOLSU | N | N/A | GIGSO | TF | 224° Mag 201.3T | N/A | N/A | +7000 | N/A | N/A | 7.1 | N/A | OTHER | RNAV 1 or RNP 1 |
| 90 | MOLSU | N | N/A | UTBOM | TF | 177° Mag 154.1° True | N/A | N/A | +6300 | N/A | N/A | 5.5 | N/A | IAF | RNAV 1 or RNP 1 |

| STAR RNAV MEBGA 1A RWY 15 | | | | | RIO DE JANEIRO / Galeão – Antônio Carlos Jobim, INTL (SBGL) | | | | | | | SBGL_STAR_02B | | 09 SEP 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 | VA (°) | Role of the Fix | Navigation Specification |
| 10 | MEBGA | N | N/A | MEBGA | IF | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | OTHER | RNAV 1 or RNP 1 |
| 20 | MEBGA | N | N/A | KOSRU | TF | 120° Mag 97.7T | N/A | N/A | N/A | N/A | N/A | 8.7 | N/A | OTHER | RNAV 1 or RNP 1 |
| 30 | MEBGA | N | N/A | PAI | TF | 120° Mag 97.7T True | N/A | N/A | +11000 | N/A | N/A | 6.7 | N/A | OTHER | RNAV 1 or RNP 1 |
| 40 | MEBGA | N | N/A | GL021 | TF | 117° Mag 94.2T | N/A | N/A | N/A | N/A | N/A | 5.0 | N/A | OTHER | RNAV 1 or RNP 1 |
| 50 | MEBGA | N | N/A | UTBOM | TF | 153° Mag 130.4T | N/A | N/A | +6300 | N/A | N/A | 16.7 | N/A | IAF | RNAV 1 or RNP 1 |

| Ident | Latitude / Longitude (WGS84) DD:MM:SS.SS |
|-------|---|
| PAI | S 22:27:14.59W 43:50:25.82 |
| MAVGU | S 21:27:20.04W 44:08:59.08 |
| OGMUK | S 21:34:23.67W 44:04:25.01 |
| IVREV | S 21:50:40.56W 43:56:02.65 |
| UTNUG | S 22:18:34.54W 43:41:36.82 |
| VAKUB | S 22:28:09.13W 43:36:38.13 |
| MOLSU | S 21:50:23.40W 42:12:17.40 |
| DOKTO | S 22:06:15.36W 42:21:52.62 |
| GL006 | S 22:13:15.23W 42:50:58.83 |
| GL014 | S 22:15:44.46W 43:01:25.41 |
| GL016 | S 22:18:51.52W 43:14:35.42 |
| SURNA | S 22:22:16.07W 43:29:05.17 |
| GL017 | S 22:26:55.88W 43:31:02.07 |
| GIGSO | S 22:33:34.30W 43:33:48.77 |
| MEBGA | S 22:25:09.60W 44:06:56.40 |
| KOSRU | S 22:26:20.49W 43:57:36.30 |
| GL021 | S 22:27:36.46W 43:45:02.08 |
| UTBOM | S 22:38:31.80W 43:31:13.20 |
| ALMOS | S 22:43:06.90W 43:28:49.92 |

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