



| Identification              | Aerodrome                                                 | Chart Code   | AIRAC AMDT |
|-----------------------------|-----------------------------------------------------------|--------------|------------|
| SID RNAV UGROK 1A RWY 10/15 | RIO DE JANEIRO / Galeão-Antônio Carlos Jobim, INTL (SBGL) | SBGL_SID_02H | 05 NOV 20  |

| Seq | Transition | Path Terminator | Navaid / Fix / WPT | Type / Function | Flyover (Y/N) | REC Navaid | Course Mag (True) | Dist (NM) | Turn | IAS (KT) | Altitude (FT) | Vertical Angle | Perform.                   |
|-----|------------|-----------------|--------------------|-----------------|---------------|------------|-------------------|-----------|------|----------|---------------|----------------|----------------------------|
| 010 | Runway     | IF              | RWY10              | ---             | N             | ---        | ---               | ---       | ---  | ---      | ---           | ---            | ---                        |
| 020 | Runway     | TF              | VURUK              | ---             | N             | ---        | 099 (077.1)       | ---       | ---  | ---      | ---           | ---            | RNAV 1<br>(ou/or)<br>RNP 1 |
| 010 | Runway     | IF              | RWY15              | ---             | N             | ---        | ---               | ---       | ---  | ---      | ---           | ---            | ---                        |
| 020 | Runway     | VA              | ---                | ---             | N             | ---        | 148 (125.5)       | ---       | ---  | ---      | +500          | ---            | RNAV 1<br>(ou/or)<br>RNP 1 |
| 030 | Runway     | DF              | VURUK              | ---             | N             | ---        | ---               | ---       | L    | ---      | ---           | ---            | RNAV 1<br>(ou/or)<br>RNP 1 |
| 010 | Common     | IF              | VURUK              | ---             | N             | ---        | ---               | ---       | ---  | ---      | ---           | ---            | ---                        |
| 020 | Common     | TF              | UGROK              | ---             | N             | ---        | 343 (321.3)       | 17.5      | L    | ---      | ---           | ---            | RNAV 1<br>(ou/or)<br>RNP 1 |
| 010 | Enroute    | IF              | UGROK              | ---             | N             | ---        | ---               | ---       | ---  | ---      | ---           | ---            | ---                        |
| 020 | Enroute    | TF              | ---                | (*1)            | N             | ---        | 278 (255.8)       | 11.7      | L    | ---      | +FL130        | ---            | RNAV 1<br>(ou/or)<br>RNP 1 |

|     |         |    |       |      |   |     |             |      |     |     |        |     |                            |
|-----|---------|----|-------|------|---|-----|-------------|------|-----|-----|--------|-----|----------------------------|
| 030 | Enroute | TF | ---   | (*2) | N | --- | 278 (255.9) | 6.9  | --- | --- | -FL190 | --- | RNAV 1<br>(ou/or)<br>RNP 1 |
| 040 | Enroute | TF | LIXEP | ---  | N | --- | 278 (255.9) | 5.0  | --- | --- | ---    | --- | RNAV 1<br>(ou/or)<br>RNP 1 |
| 050 | Enroute | TF | SIDUR | ---  | N | --- | 278 (255.9) | 30.9 | --- | --- | ---    | --- | RNAV 1<br>(ou/or)<br>RNP 1 |

| COD |  | MEANING       |
|-----|--|---------------|
| +   |  | AT OR ABOVE   |
| -   |  | AT OR BELOW   |
| =   |  | MANDATORY     |
|     |  | RECOMENDED    |
| SDF |  | STEP DOWN FIX |

| IDENT | Latitude / Longitude (WGS84) DD:MM:SS.SS |
|-------|------------------------------------------|
| RWY10 | S 22:48:06.66 / W 43:15:18.62            |
| RWY15 | S 22:48:44.75 / W 43:15:49.30            |
| VURUK | S 22:45:38.97 / W 43:04:11.42            |
| UGROK | S 22:32:00.59 / W 43:15:57.94            |
| (*1)  | S 22:34:53.20 / W 43:28:13.24            |
| (*2)  | S 22:36:34.50 / W 43:35:26.88            |
| LIXEP | S 22:37:47.74 / W 43:40:41.39            |
| SIDUR | S 22:45:16.08 / W 44:13:05.00            |