

## RNAV RWY 11R/L

**OTOKI1A, FEISE1A, KELVA1A, LONKU1D,  
EMIRI1A, NOTUP1D, SEDEM1A**

|              |                            |              |              |              |                        |
|--------------|----------------------------|--------------|--------------|--------------|------------------------|
| <b>TWR</b>   | <b>APP</b>                 | <b>ATIS</b>  | <b>SMC</b>   | <b>EMERG</b> | <b>AD ELEV 5013 FT</b> |
| <b>118.1</b> | <b>119.3, 120.8, 128.9</b> | <b>127.9</b> | <b>121.9</b> | <b>121.5</b> |                        |

**RMK:** - GNSS REQUERIDO / GNSS REQUIRED  
- RADAR OPERATIVO / OPERATIVE RADAR  
- MINIMUM PDG: OTOK11A, FEISE1A, NOTUP1D, SEDEM1A 3.9% UP TO 8000; KELVA1A, LONKU1D, EMERI1A 3.6% UP TO 7000  
- OPERATIONAL PDG: OTOK11A 4.5% UP TO 17000; FEISE1A 5.0% UP TO 18000; EMIR1A 5.0% UP TO 17000; NOTUP1D, SEDEM1A 5.0% UP TO 19000

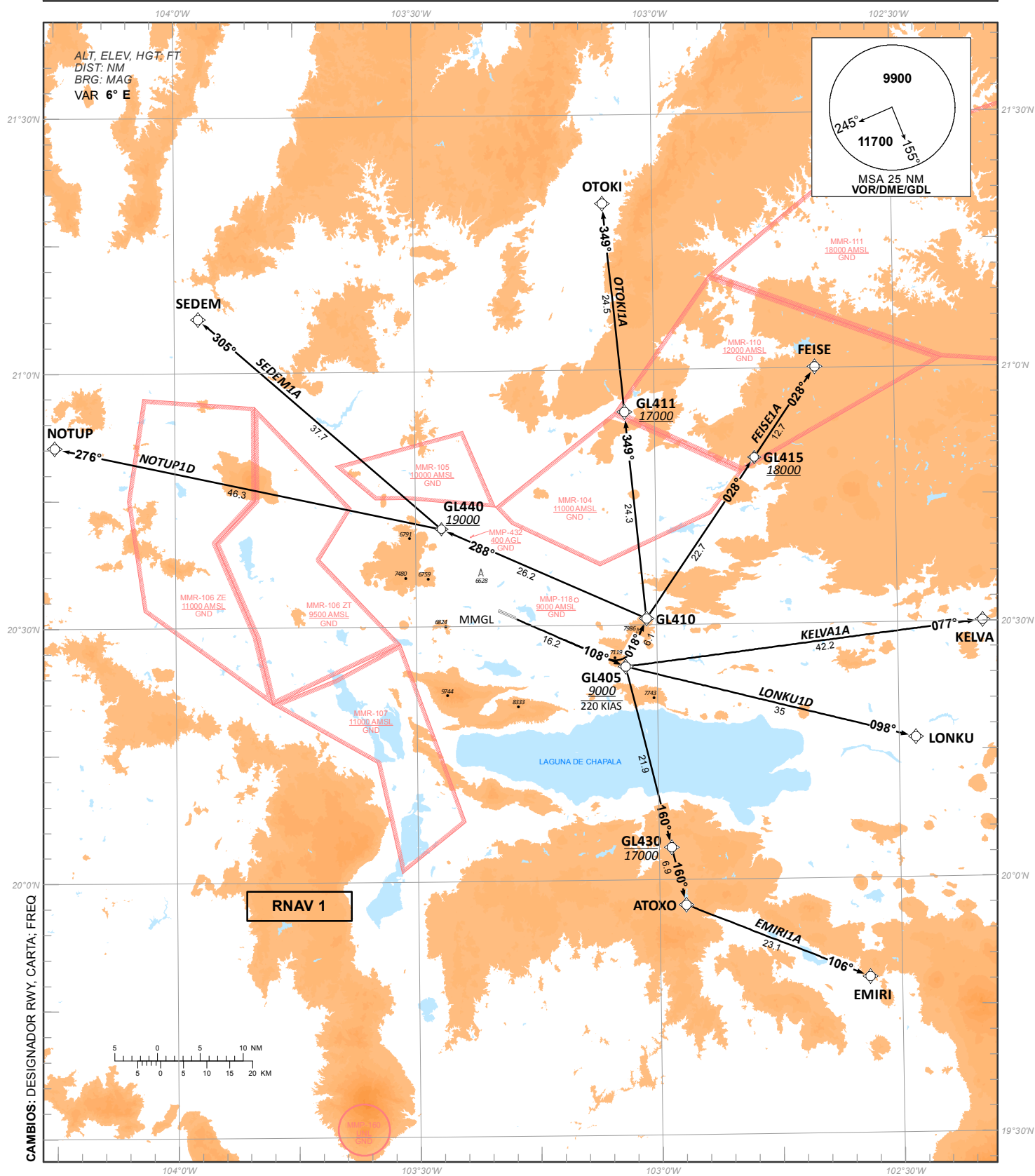


TABLA DE CODIFICACIÓN DEL PROCEDIMIENTO DE SALIDA POR INSTRUMENTOS RNAV PISTA 11R/L  
 RUNWAY 11R/L RNAV INSTRUMENT DEPARTURE PROCEDURE CODING TABLE

## OTOKI 1A

| Número de serie / Serial Number | Descriptor de trayectoria / Path terminator | Identificador de punto de recorrido / Waypoint identifier | Sobrevuelo / Fly Over | Curso / derrota Course / Track *MAG (°T) | Variación Magnética / Magnetic variation (°) | Distancia / Distance (NM) | Dirección del Viraje / Turn direction | Altitud / Altitude (FT) | Velocidad / Speed (KTS) | VPA (°) / TCH (FT) | Especificación de Navegación / Navigation Specification |
|---------------------------------|---------------------------------------------|-----------------------------------------------------------|-----------------------|------------------------------------------|----------------------------------------------|---------------------------|---------------------------------------|-------------------------|-------------------------|--------------------|---------------------------------------------------------|
| 10                              | IF                                          | RW11R                                                     | -                     |                                          |                                              |                           |                                       |                         |                         | -                  |                                                         |
| 20                              | TF                                          | GL405                                                     | -                     | 108 (114)                                | 6                                            | 16.2                      |                                       | +9000                   | -220                    | -                  | RNAV 1                                                  |
| 10                              | IF                                          | RW11L                                                     | -                     |                                          |                                              |                           |                                       |                         |                         | -                  |                                                         |
| 20                              | TF                                          | GL405                                                     | -                     | 109 (114.5)                              | 6                                            | 16.2                      |                                       | +9000                   | -220                    | -                  | RNAV 1                                                  |
|                                 |                                             |                                                           |                       |                                          |                                              |                           |                                       |                         |                         | -                  |                                                         |
| 30                              | TF                                          | GL410                                                     | -                     | 018 (024.2)                              | 6                                            | 6.1                       |                                       |                         |                         | -                  | RNAV 1                                                  |
| 40                              | TF                                          | GL411                                                     | -                     | 349 (354.6)                              | 6                                            | 24.3                      |                                       | +17000                  |                         | -                  | RNAV 1                                                  |
| 50                              | TF                                          | OTOKI                                                     | -                     | 349 (354.5)                              | 6                                            | 24.5                      |                                       |                         |                         | -                  | RNAV 1                                                  |

## FEISE 1A

| Número de serie / Serial Number | Descriptor de trayectoria / Path terminator | Identificador de punto de recorrido / Waypoint identifier | Sobrevuelo / Fly Over | Curso / derrota Course / Track *MAG (°T) | Variación Magnética / Magnetic variation (°) | Distancia / Distance (NM) | Dirección del Viraje / Turn direction | Altitud / Altitude (FT) | Velocidad / Speed (KTS) | VPA (°) / TCH (FT) | Especificación de Navegación / Navigation Specification |
|---------------------------------|---------------------------------------------|-----------------------------------------------------------|-----------------------|------------------------------------------|----------------------------------------------|---------------------------|---------------------------------------|-------------------------|-------------------------|--------------------|---------------------------------------------------------|
| 10                              | IF                                          | RW11R                                                     | -                     |                                          |                                              |                           |                                       |                         |                         | -                  |                                                         |
| 20                              | TF                                          | GL405                                                     | -                     | 108 (114)                                | 6                                            | 16.2                      |                                       | +9000                   | -220                    | -                  | RNAV 1                                                  |
| 10                              | IF                                          | RW11L                                                     | -                     |                                          |                                              |                           |                                       |                         |                         | -                  |                                                         |
| 20                              | TF                                          | GL405                                                     | -                     | 109 (114.5)                              | 6                                            | 16.2                      |                                       | +9000                   | -220                    | -                  | RNAV 1                                                  |
|                                 |                                             |                                                           |                       |                                          |                                              |                           |                                       |                         |                         | -                  |                                                         |
| 30                              | TF                                          | GL410                                                     | -                     | 018 (024.2)                              | 6                                            | 6.1                       |                                       |                         |                         | -                  | RNAV 1                                                  |
| 40                              | TF                                          | GL415                                                     | -                     | 028 (034.4)                              | 6                                            | 22.7                      |                                       | +18000                  |                         | -                  | RNAV 1                                                  |
| 50                              | TF                                          | FEISE                                                     | -                     | 028 (034.4)                              | 6                                            | 12.7                      |                                       |                         |                         | -                  | RNAV 1                                                  |

## KELVA 1A

| Número de serie / Serial Number | Descriptor de trayectoria / Path terminator | Identificador de punto de recorrido / Waypoint identifier | Sobrevuelo / Fly Over | Curso / derrota Course / Track *MAG (°T) | Variación Magnética / Magnetic variation (°) | Distancia / Distance (NM) | Dirección del Viraje / Turn direction | Altitud / Altitude (FT) | Velocidad / Speed (KTS) | VPA (°) / TCH (FT) | Especificación de Navegación / Navigation Specification |
|---------------------------------|---------------------------------------------|-----------------------------------------------------------|-----------------------|------------------------------------------|----------------------------------------------|---------------------------|---------------------------------------|-------------------------|-------------------------|--------------------|---------------------------------------------------------|
| 10                              | IF                                          | RW11R                                                     | -                     |                                          |                                              |                           |                                       |                         |                         | -                  |                                                         |
| 20                              | TF                                          | GL405                                                     | -                     | 108 (114)                                | 6                                            | 16.2                      |                                       | +9000                   | -220                    | -                  | RNAV 1                                                  |
| 10                              | IF                                          | RW11L                                                     | -                     |                                          |                                              |                           |                                       |                         |                         | -                  |                                                         |
| 20                              | TF                                          | GL405                                                     | -                     | 109 (114.5)                              | 6                                            | 16.2                      |                                       | +9000                   | -220                    | -                  | RNAV 1                                                  |
|                                 |                                             |                                                           |                       |                                          |                                              |                           |                                       |                         |                         | -                  |                                                         |
| 30                              | TF                                          | KELVA                                                     | -                     | 077 (083.1)                              | 6                                            | 42.2                      |                                       |                         |                         | -                  | RNAV 1                                                  |

## LONKU 1D

| Número de serie / Serial Number | Descriptor de trayectoria / Path terminator | Identificador de punto de recorrido / Waypoint identifier | Sobrevuelo / Fly Over | Curso / derrota Course / Track *MAG (*T) | Variación Magnética / Magnetic variation (°) | Distancia / Distance (NM) | Dirección del Viraje / Turn direction | Altitud / Altitude (FT) | Velocidad / Speed (KTS) | VPA (°) / TCH (FT) | Especificación de Navegación / Navigation Specification |
|---------------------------------|---------------------------------------------|-----------------------------------------------------------|-----------------------|------------------------------------------|----------------------------------------------|---------------------------|---------------------------------------|-------------------------|-------------------------|--------------------|---------------------------------------------------------|
| 10                              | IF                                          | RW11R                                                     | -                     |                                          |                                              |                           |                                       |                         |                         | -                  |                                                         |
| 20                              | TF                                          | GL405                                                     | -                     | 108 (114)                                | 6                                            | 16.2                      |                                       | +9000                   | -220                    | -                  | RNAV 1                                                  |
| 10                              | IF                                          | RW11L                                                     | -                     |                                          |                                              |                           |                                       |                         |                         | -                  |                                                         |
| 20                              | TF                                          | GL405                                                     | -                     | 109 (114.5)                              | 6                                            | 16.2                      |                                       | +9000                   | -220                    | -                  | RNAV 1                                                  |
|                                 |                                             |                                                           |                       |                                          |                                              |                           |                                       |                         |                         | -                  |                                                         |
| 30                              | TF                                          | LONKU                                                     | -                     | 098 (104.2)                              | 6                                            | 35                        |                                       |                         |                         | -                  | RNAV 1                                                  |

## EMIRI 1A

| Número de serie / Serial Number | Descriptor de trayectoria / Path terminator | Identificador de punto de recorrido / Waypoint identifier | Sobrevuelo / Fly Over | Curso / derrota Course / Track *MAG (*T) | Variación Magnética / Magnetic variation (°) | Distancia / Distance (NM) | Dirección del Viraje / Turn direction | Altitud / Altitude (FT) | Velocidad / Speed (KTS) | VPA (°) / TCH (FT) | Especificación de Navegación / Navigation Specification |
|---------------------------------|---------------------------------------------|-----------------------------------------------------------|-----------------------|------------------------------------------|----------------------------------------------|---------------------------|---------------------------------------|-------------------------|-------------------------|--------------------|---------------------------------------------------------|
| 10                              | IF                                          | RW11R                                                     | -                     |                                          |                                              |                           |                                       |                         |                         | -                  |                                                         |
| 20                              | TF                                          | GL405                                                     | -                     | 108 (114)                                | 6                                            | 16.2                      |                                       | +9000                   | -220                    | -                  | RNAV 1                                                  |
| 10                              | IF                                          | RW11L                                                     | -                     |                                          |                                              |                           |                                       |                         |                         | -                  |                                                         |
| 20                              | TF                                          | GL405                                                     | -                     | 109 (114.5)                              | 6                                            | 16.2                      |                                       | +9000                   | -220                    | -                  | RNAV 1                                                  |
|                                 |                                             |                                                           |                       |                                          |                                              |                           |                                       |                         |                         | -                  |                                                         |
| 30                              | TF                                          | GL430                                                     | -                     | 160 (166.3)                              | 6                                            | 21.9                      |                                       | -17000                  |                         | -                  | RNAV 1                                                  |
| 40                              | TF                                          | ATOXO                                                     | -                     | 160 (166.4)                              | 6                                            | 6.9                       |                                       |                         |                         | -                  | RNAV 1                                                  |
| 50                              | TF                                          | EMIRI                                                     | -                     | 106 (111.9)                              | 6                                            | 23.1                      |                                       |                         |                         | -                  | RNAV 1                                                  |

## NOTUP 1D

| Número de serie / Serial Number | Descriptor de trayectoria / Path terminator | Identificador de punto de recorrido / Waypoint identifier | Sobrevuelo / Fly Over | Curso / derrota Course / Track *MAG (*T) | Variación Magnética / Magnetic variation (°) | Distancia / Distance (NM) | Dirección del Viraje / Turn direction | Altitud / Altitude (FT) | Velocidad / Speed (KTS) | VPA (°) / TCH (FT) | Especificación de Navegación / Navigation Specification |
|---------------------------------|---------------------------------------------|-----------------------------------------------------------|-----------------------|------------------------------------------|----------------------------------------------|---------------------------|---------------------------------------|-------------------------|-------------------------|--------------------|---------------------------------------------------------|
| 10                              | IF                                          | RW11R                                                     | -                     |                                          |                                              |                           |                                       |                         |                         | -                  |                                                         |
| 20                              | TF                                          | GL405                                                     | -                     | 108 (114)                                | 6                                            | 16.2                      |                                       | +9000                   | -220                    | -                  | RNAV 1                                                  |
| 10                              | IF                                          | RW11L                                                     | -                     |                                          |                                              |                           |                                       |                         |                         | -                  |                                                         |
| 20                              | TF                                          | GL405                                                     | -                     | 109 (114.5)                              | 6                                            | 16.2                      |                                       | +9000                   | -220                    | -                  | RNAV 1                                                  |
|                                 |                                             |                                                           |                       |                                          |                                              |                           |                                       |                         |                         | -                  |                                                         |
| 20                              | TF                                          | GL410                                                     | -                     | 018 (024.2)                              | 6                                            | 6.1                       |                                       |                         |                         | -                  | RNAV 1                                                  |
| 30                              | TF                                          | GL440                                                     | -                     | 288 (294.1)                              | 6                                            | 26.2                      |                                       | +19000                  |                         | -                  | RNAV 1                                                  |
| 40                              | TF                                          | NOTUP                                                     | -                     | 276 (282.3)                              | 6                                            | 46.3                      |                                       |                         |                         | -                  | RNAV 1                                                  |

## SEDEM 1A

| Número de serie / Serial Number | Descriptor de trayectoria / Path terminator | Identificador de punto de recorrido / Waypoint identifier | Sobrevuelo / Fly Over | Curso / derrota Course / Track *MAG (*T) | Variación Magnética / Magnetic variation (°) | Distancia / Distance (NM) | Dirección del Viraje / Turn direction | Altitud / Altitude (FT) | Velocidad / Speed (KTS) | VPA (°) / TCH (FT) | Especificación de Navegación / Navigation Specification |
|---------------------------------|---------------------------------------------|-----------------------------------------------------------|-----------------------|------------------------------------------|----------------------------------------------|---------------------------|---------------------------------------|-------------------------|-------------------------|--------------------|---------------------------------------------------------|
| 10                              | IF                                          | RW11R                                                     | -                     |                                          |                                              |                           |                                       |                         |                         | -                  |                                                         |
| 20                              | TF                                          | GL405                                                     | -                     | 108 (114)                                | 6                                            | 16.2                      |                                       | +9000                   | -220                    | -                  | RNAV 1                                                  |
| 10                              | IF                                          | RW11L                                                     | -                     |                                          |                                              |                           |                                       |                         |                         | -                  |                                                         |
| 20                              | TF                                          | GL405                                                     | -                     | 109 (114.5)                              | 6                                            | 16.2                      |                                       | +9000                   | -220                    | -                  | RNAV 1                                                  |
|                                 |                                             |                                                           |                       |                                          |                                              |                           |                                       |                         |                         | -                  |                                                         |
| 20                              | TF                                          | GL410                                                     | -                     | 018 (024.2)                              | 6                                            | 6.1                       |                                       |                         |                         | -                  | RNAV 1                                                  |
| 30                              | TF                                          | GL440                                                     | -                     | 288 (294.1)                              | 6                                            | 26.2                      |                                       | +19000                  |                         | -                  | RNAV 1                                                  |
| 40                              | TF                                          | SEDEM                                                     | -                     | 305 (311.3)                              | 6                                            | 37.7                      |                                       |                         |                         | -                  | RNAV 1                                                  |

**COORDENADAS DE LOS PUNTOS DE RECORRIDO**  
**WAYPOINT COORDINATES**

| Punto de recorrido / Waypoint | Coordenadas / Coordinates     | Punto de recorrido / Waypoint | Coordenadas / Coordinates     |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| ATOXO                         | 19°57'02"N<br>102°56'44"W     | GL440                         | 20°41'26.7"N<br>103°26'45.1"W |
| EMIRI                         | 19°48'21"N<br>102°33'58"W     | KELVA                         | 20°30'08"N<br>102°19'21"W     |
| FEISE                         | 21°00'07"N<br>102°39'52"W     | LONKU                         | 20°16'28"N<br>102°27'53"W     |
| GL405                         | 20°25'06.9"N<br>103°03'56.7"W | NOTUP                         | 20°51'13"N<br>104°15'03"W     |
| GL410                         | 20°30'44.3"N<br>103°01'15.9"W | OTOKI                         | 21°19'34"N<br>103°06'14"W     |
| GL411                         | 20°55'02.9"N<br>103°03'44.0"W | RW11L                         | 20°31'51.7"N<br>103°19'36.0"W |
| GL415                         | 20°49'34.3"N<br>102°47'33.8"W | RW11R                         | 20°31'43.6"N<br>103°19'39.7"W |
| GL430                         | 20°03'48.1"N<br>102°58'27.8"W | SEDEM                         | 21°06'20"N<br>103°57'02"W     |