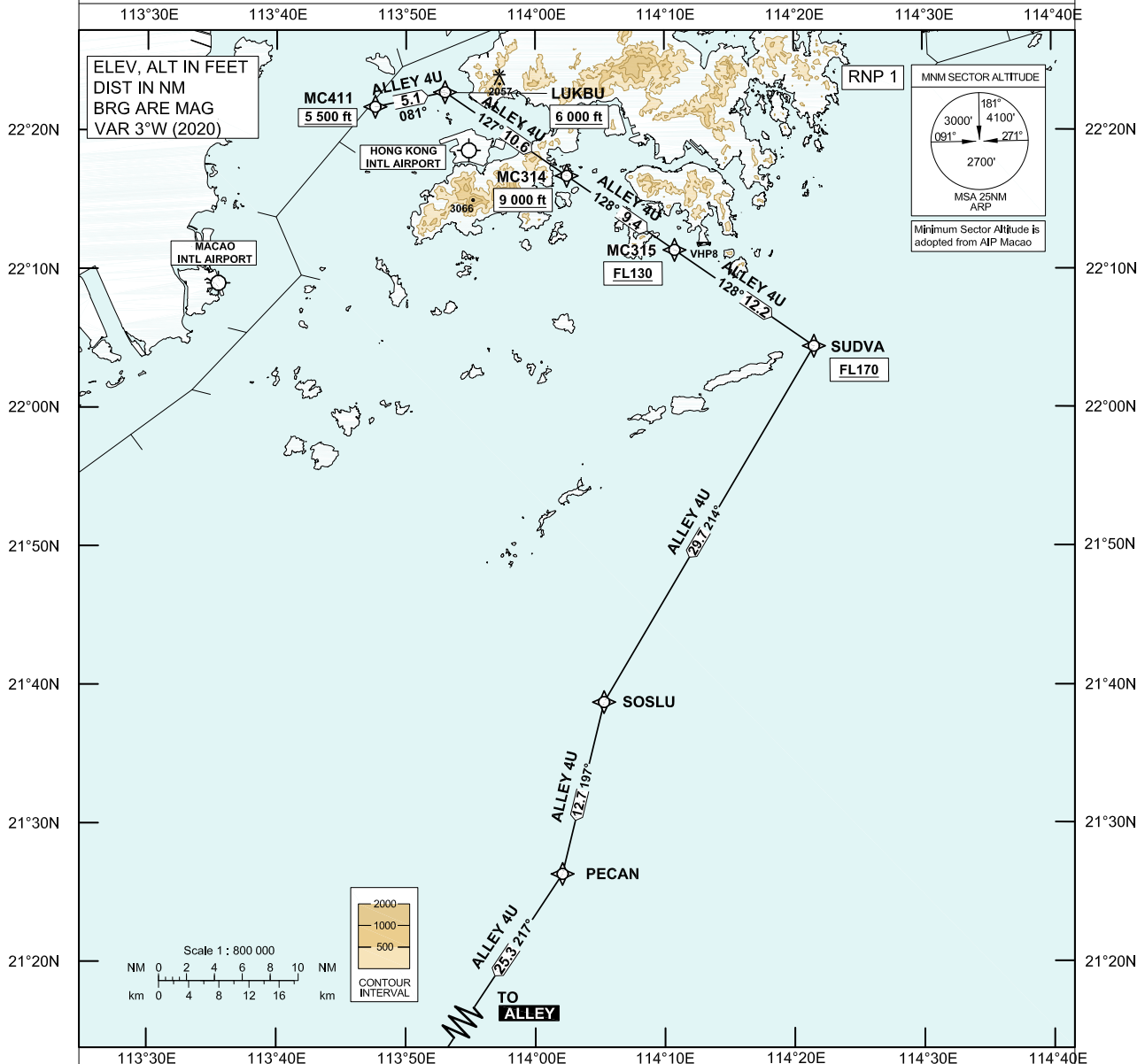


**STANDARD DEPARTURE CHART-  
INSTRUMENT (SID) - ICAO**Transition Altitude 9 000 ft  
HONG KONG DEPARTURE 122.0**MACAO / Intl (VMC)  
RWY 34  
RNAV (GNSS) ALLEY 4U SID**

1. Aircraft shall comply with the Macao RWY 34 SID procedure as published in the AIP Macao.
2. For RNAV (GNSS) SID, aircraft must be approved by State of Registry in accordance with ICAO RNP 1 standard or equivalent. Carriage of certified GNSS receiver is mandatory.
3. Aircraft that do not have approval or whose RNP 1 capability has been degraded shall use the Conventional Procedure described below.

**ALLEY 4U SID RWY 34****RNP 1 Procedure**(Mandate procedure available to aircraft appropriately equipped and approved)  
MC411 - LUKBU - MC314 - MC315 - SUDVA - SOSLU - PECAN - ALLEY**Conventional Procedure**

Departures shall enter Hong Kong airspace via MC411.

From MC411 direct to LUKBU, then to MC314, MC315, SUDVA, SOSLU, PECAN and ALLEY.

**CLIMB REQUIREMENT**Cross MC411 at or above 5 500 ft climbing to 6 000 ft. Cross LUKBU at 6 000 ft or above.  
Expect further climb when instructed by ATC.**SPEED RESTRICTION**

Aircraft shall fly at 250 KIAS or less below FL 110.

CHANGE: Revised procedure; revised frequency.

## FMC Database Coding Reference for Macao RNAV<sub>(GNSS)</sub> SID

### TABULAR DESCRIPTION: ALLEY 4U Runway 34

| Serial Number                                                                          | Path Descriptor | Waypoint Identifier | Fly-over | Course °M (°T) | Magnetic Variation | Distance (NM) | Turn Direction | Altitude (ft) | Speed (KIAS) | Navigation Specification |
|----------------------------------------------------------------------------------------|-----------------|---------------------|----------|----------------|--------------------|---------------|----------------|---------------|--------------|--------------------------|
| Aircraft shall comply with the Macao RWY34 SID procedure as published in the AIP Macao |                 |                     |          |                |                    |               |                |               |              |                          |
| 01                                                                                     | TF              | MC411               | -        | -              | +3.0               | -             | -              | +5500         | -250         | RNP 1                    |
| 02                                                                                     | TF              | LUKBU               | -        | 081 (078)      | +3.0               | 5.1           | -              | +6000         | -            | RNP 1                    |
| 03                                                                                     | TF              | MC314               | -        | 127 (124)      | +3.0               | 10.6          | -              | +9000         | -            | RNP 1                    |
| 04                                                                                     | TF              | MC315               | -        | 128 (125)      | +3.0               | 9.4           | -              | +FL130        | -            | RNP 1                    |
| 05                                                                                     | TF              | SUDVA               | -        | 128 (125)      | +3.0               | 12.2          | -              | +FL170        | -            | RNP 1                    |
| 06                                                                                     | TF              | SOSLU               | -        | 214 (211)      | +3.0               | 29.7          | -              | -             | -            | RNP 1                    |
| 07                                                                                     | TF              | PECAN               | -        | 197 (194)      | +3.0               | 12.7          | -              | -             | -            | RNP 1                    |
| 08                                                                                     | TF              | ALLEY               | -        | 217 (214)      | +3.0               | 25.3          | -              | -             | -            | RNP 1                    |

### WAYPOINT LIST

| ALLEY 4U RWY 34     |                      |               |
|---------------------|----------------------|---------------|
|                     |                      |               |
| Waypoint Identifier | Coordinates (WGS-84) |               |
| MC411               | 22 21 41.20N         | 113 47 37.58E |
| LUKBU               | 22 22 44.12N         | 113 53 01.50E |
| MC314               | 22 16 42.35N         | 114 02 26.88E |
| MC315               | 22 11 21.09N         | 114 10 47.55E |
| SUDVA               | 22 04 25.14N         | 114 21 33.87E |
| SOSLU               | 21 38 44.03N         | 114 05 18.39E |
| PECAN               | 21 26 20.19N         | 114 02 05.64E |
| ALLEY               | 21 05 11.15N         | 113 47 09.50E |