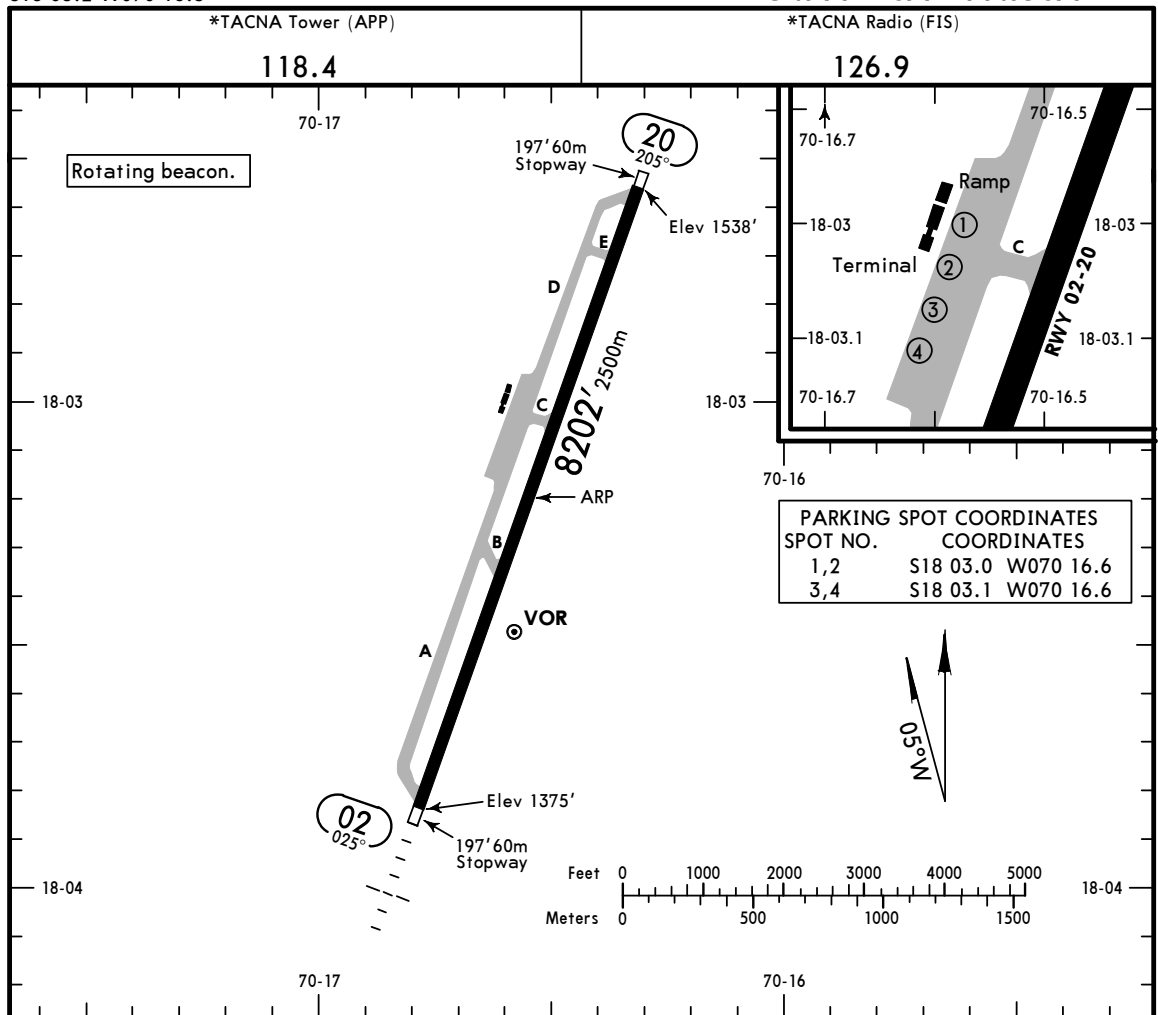


SPTN/TCQ  
 Apt Elev **1538'**  
 S18 03.2 W070 16.5

**JEPPESEN**  
 25 AUG 17 **10-9**

**TACNA, PERU**  
**COLONEL CARLOS**  
**CIRIANI SANTA ROSA INTL**



**ADDITIONAL RUNWAY INFORMATION**

| RWY |                               | USABLE LENGTHS |                |          | WIDTH |
|-----|-------------------------------|----------------|----------------|----------|-------|
|     |                               | Threshold      | Landing Beyond | TAKE-OFF |       |
| 02  | RL ALS PAPI-L (angle 2.5°)    |                | 7404' 2257m    |          | 148'  |
| 20  | RL REIL ① PAPI-L (angle 3.5°) |                |                |          | 45m   |
|     |                               |                |                |          |       |
|     |                               |                |                |          |       |
|     |                               |                |                |          |       |
|     |                               |                |                |          |       |

① PAPI restricted from Rwy 20 at 5 NM and further out.

**TAKE-OFF**

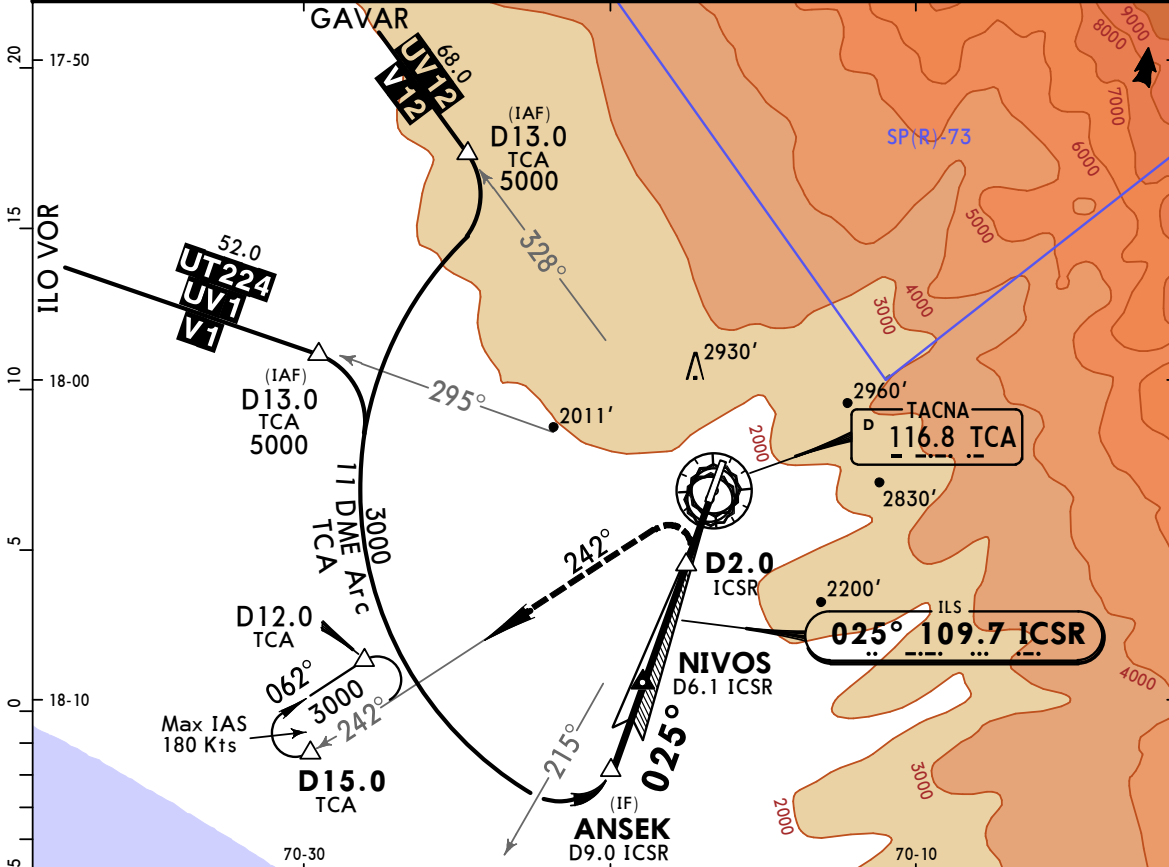
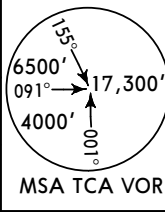
**All Rwy's**

|               | Take-Off Alternate Apt. Filed              | Take-Off Alternate Apt. Not Filed |
|---------------|--|-----------------------------------|
| 1 Eng         | 1600m or Higher Available Landing Minimums |                                   |
| 2 Eng         | 1 hr alternate (1 Eng Inop)<br>1600m       | Available Landing Minimums        |
| 3 or more Eng | 2 hr alternate (1 Eng Inop)<br>800m        |                                   |

CHANGES: Twy E added.

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|   |                               |                                  |                                |                                |  |
|---|-------------------------------|----------------------------------|--------------------------------|--------------------------------|--|
| *TACNA Tower (APP)<br>118.4   |                               |                                  | *TACNA Radio (FIS)<br>126.9    |                                |  |
| LOC ICSR<br><b>109.7</b>  | Final Apch Crs<br><b>025°</b> | GS NIVOS<br><b>3000'</b> (1625') | ILS DA(H)<br>Refer to Minimums | Apt Elev 1538'<br>Rwy 02 1375' |  |
| <b>MISSED APCH:</b> Immediate climbing LEFT turn to intercept TCA VOR R-242 and proceed to D15.0 TCA and hold at minimum 3000'. Max IAS CAT B: 150 kts CAT C: 160 kts |                               |                                  |                                |                                |  |
| Alt Set: hPa Rwy Elev: 49 hPa Trans level: By ATC   |                               |                                  | Trans alt: 5000'               |                                |  |
| 1. VOR/DME required. 2. ILS DME associated with the glidepath (0.1 NM from Rwy 02 threshold).   |                               |                                  |                                |                                |  |



|   |                   |           |           |                         |
|---|-------------------|-----------|-----------|-------------------------|
| LOC (GS out)  | ICSR DME ALTITUDE | 5.0 2700' | 4.0 2435' | 3.0 2170'               |
| <b>ANSEK</b> D9.0 ICSR 3000' — 025° — <b>3000'</b> — 025° — <b>D2.0</b> ICSR — <b>VOR</b> |                   |           |           |                         |
|   |                   | 2.9       | 4.1       | 1.9 0.4                 |
|   |                   |           |           | TCH 50'<br>Rwy 02 1375' |

|                                  |       |      |      |      |      |      |                   |                                     |                     |      |
|----------------------------------|-------|------|------|------|------|------|-------------------|-------------------------------------|---------------------|------|
| Gnd speed-Kts                    | 70    | 90   | 100  | 120  | 140  | 160  | ALS<br>PAPI<br>LT | TCA<br><b>116.8</b><br><b>R-242</b> | <b>D15.0</b><br>TCA |      |
| GS                               | 2.50° | 310  | 398  | 442  | 531  | 619  |                   |                                     |                     | 707  |
| MAP at D2.0 ICSR or NIVOS to MAP | 4.1   | 3:31 | 2:44 | 2:28 | 2:03 | 1:45 |                   |                                     |                     | 1:32 |

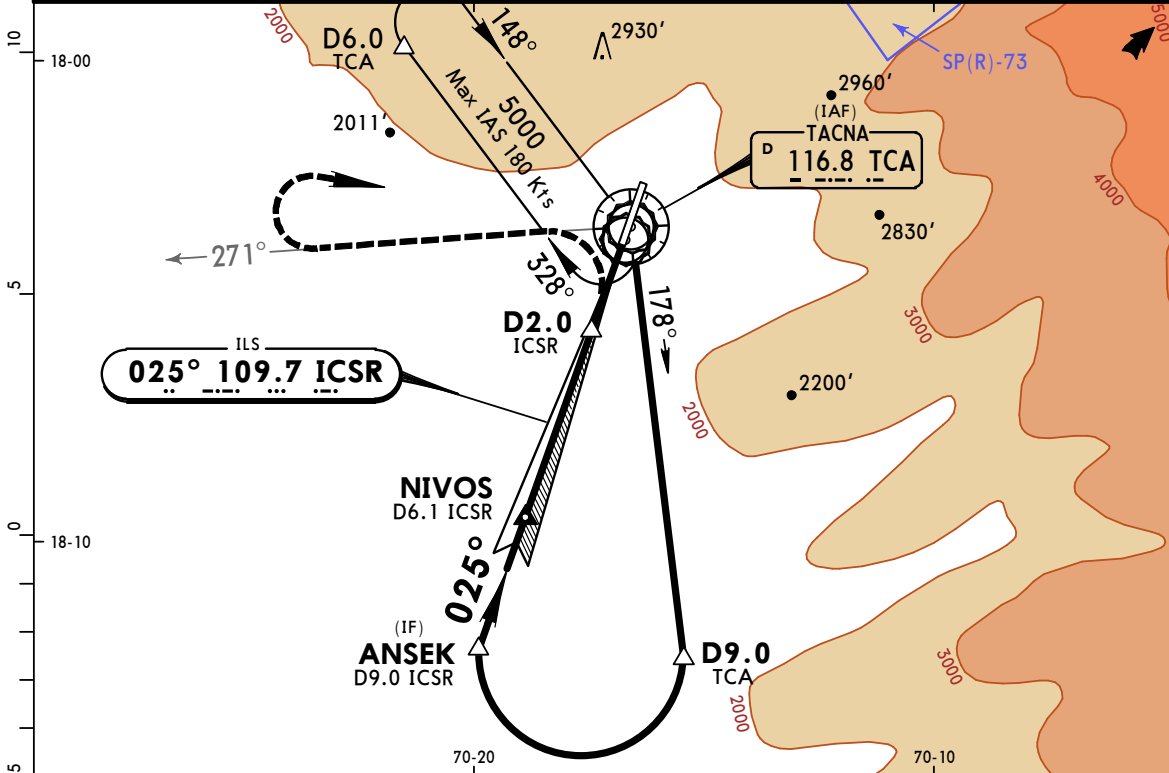
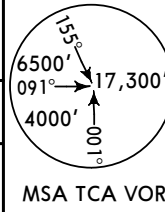
|                                     |                |                                     |                |                            |                |                                |                                     |                |
|-------------------------------------|----------------|-------------------------------------|----------------|----------------------------|----------------|--------------------------------|-------------------------------------|----------------|
| STRAIGHT-IN LANDING RWY 02          |                |                                     |                | LOC (GS out)               |                | CIRCLE-TO-LAND                 |                                     |                |
| Missed apch climb gradient mim 4.0% |                | Missed apch climb gradient mim 2.5% |                | MDA(H) <b>1925'</b> (550') |                | Not Authorized West of Airport |                                     |                |
| A,B: <b>1775'</b> (400')            |                | A,B: <b>1885'</b> (510')            |                |                            |                |                                |                                     |                |
| C: <b>1820'</b> (445')              |                | C: <b>1910'</b> (535')              |                |                            |                |                                |                                     |                |
| FULL                                |                | ALS out                             |                | ALS out                    |                | Max Kts                        |                                     |                |
| A                                   | 2.0 km         | 3.2 km                              | 2.0 km         | 3.2 km                     | 4.0 km         | 100                            | MDA(H) <b>3100'</b> -4.0 km (1562') |                |
| B                                   |                |                                     |                |                            |                | 135                            |                                     |                |
| C                                   | 2.4 km         |                                     | 2.8 km         |                            |                | 180                            |                                     |                |
| D                                   | NOT APPLICABLE |                                     | NOT APPLICABLE |                            | NOT APPLICABLE |                                | D                                   | NOT APPLICABLE |

SPTN/TCQ  
 COLONEL CARLOS  
 CIRIANI SANTA ROSA INTL

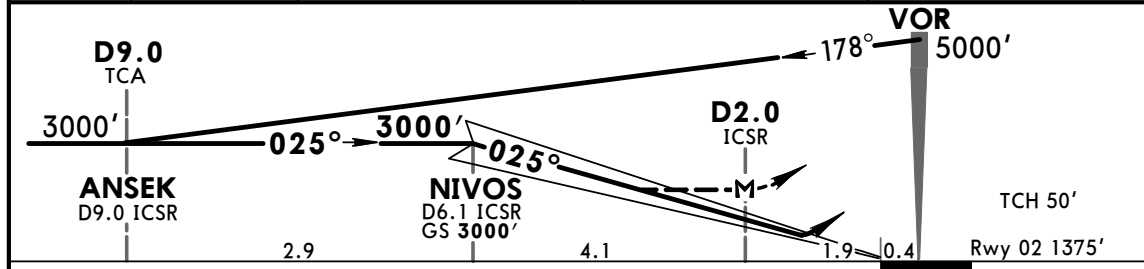
JEPPESEN CAT A, B & C  
 12 AUG 16 (11-2) Eff 18 Aug

TACNA, PERU  
 ILS Y Rwy 02

|   |                               |                                  |   |                                |  |
|---|-------------------------------|----------------------------------|---|--------------------------------|--|
| *TACNA Tower (APP)<br><b>118.4</b>  |                               |                                  | *TACNA Radio (FIS)<br><b>126.9</b>  |                                |  |
| LOC ICSR<br><b>109.7</b>  | Final Apch Crs<br><b>025°</b> | GS NIVOS<br><b>3000'</b> (1625') | ILS DA(H)<br>Refer to Minimums  | Apt Elev 1538'<br>Rwy 02 1375' |  |
| <b>MISSED APCH:</b> Follow TCA VOR R-271. At 3000' turn RIGHT to TCA VOR and hold at minimum 5000'.<br>Max IAS CAT B: 150 kts<br>CAT C: 160 kts |                               |                                  |   |                                |  |
| Alt Set: hPa Rwy Elev: 49 hPa Trans level: By ATC Trans alt: 5000'  |                               |                                  | 1. VOR/DME required. 2. ILS DME associated with the glidepath (0.1 NM from Rwy 02 threshold). |                                |  |



| LOC (GS out) | ICSR DME | 5.0   | 4.0   | 3.0   |
|--------------|----------|-------|-------|-------|
|              | ALTITUDE | 2700' | 2435' | 2170' |



|                                  |      |      |      |      |      |      |             |                              |
|----------------------------------|------|------|------|------|------|------|-------------|------------------------------|
| Gnd speed-Kts                    | 70   | 90   | 100  | 120  | 140  | 160  | ALS<br>PAPI | TCA<br><b>116.8</b><br>R-271 |
| GS                               | 2.5° | 310  | 398  | 442  | 531  | 707  |             |                              |
| MAP at D2.0 ICSR or NIVOS to MAP | 4.1  | 3:31 | 2:44 | 2:28 | 2:03 | 1:45 |             |                              |

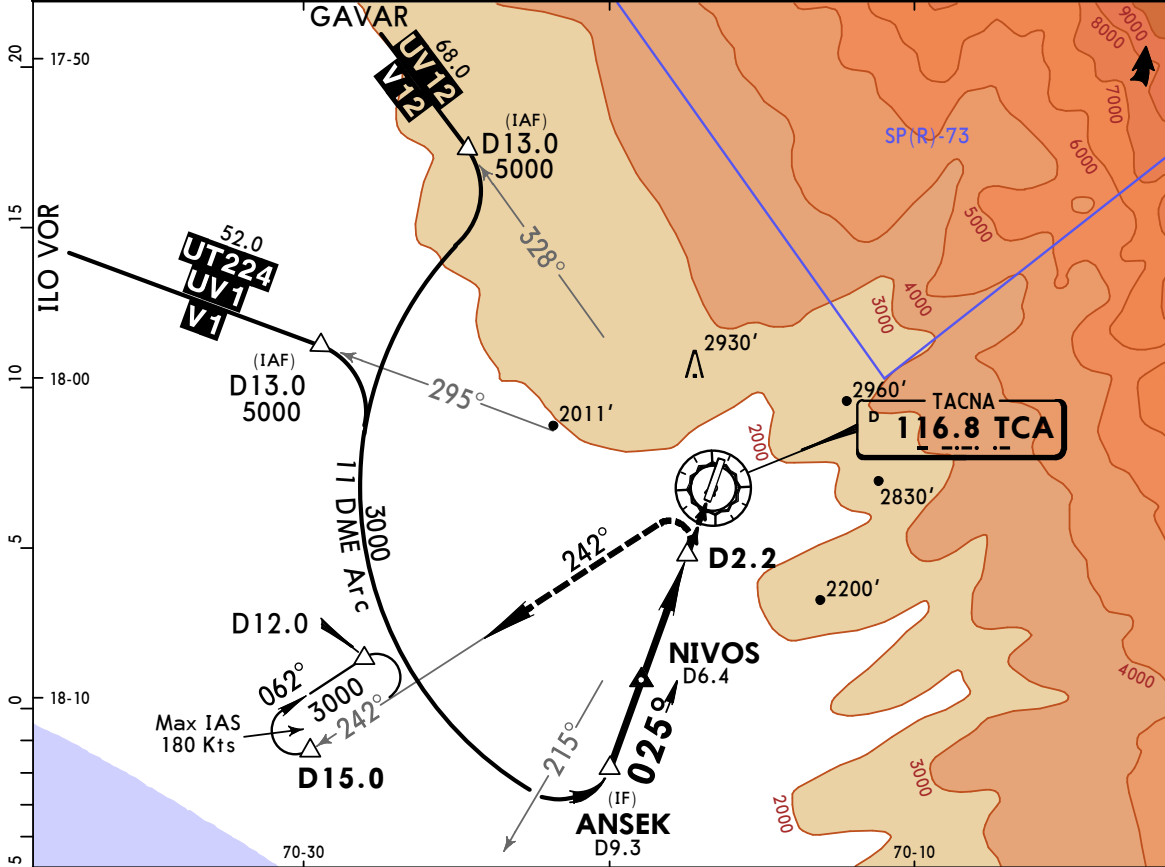
| STRAIGHT-IN LANDING RWY 02          |                |                                     |                | LOC (GS out)               |                | CIRCLE-TO-LAND                 |                       |
|-------------------------------------|----------------|-------------------------------------|----------------|----------------------------|----------------|--------------------------------|-----------------------|
| Missed apch climb gradient mim 4.0% |                | Missed apch climb gradient mim 2.5% |                | MDA(H) <b>1925'</b> (550') |                | Not Authorized West of Airport |                       |
| A,B: <b>1775'</b> (400')            |                | A,B: <b>1885'</b> (510')            |                |                            |                |                                |                       |
| DA(H) C: <b>1820'</b> (445')        |                | DA(H) C: <b>1910'</b> (535')        |                |                            |                |                                |                       |
|                                     | FULL           | ALS out                             | FULL           | ALS out                    | ALS out        | Max Kts                        | MDA(H)                |
| A                                   | 2.0 km         | 3.2 km                              | 2.0 km         | 3.2 km                     | 4.0 km         | 100                            | 3100' -4.0 km (1562') |
| B                                   | 2.4 km         |                                     | 2.8 km         |                            |                | 135                            |                       |
| C                                   | NOT APPLICABLE | NOT APPLICABLE                      | NOT APPLICABLE | 180                        |                |                                |                       |
| D                                   | NOT APPLICABLE |                                     | NOT APPLICABLE |                            | NOT APPLICABLE |                                | NOT APPLICABLE        |

SPTN/TCQ  
 COLONEL CARLOS  
 CIRIANI SANTA ROSA INTL

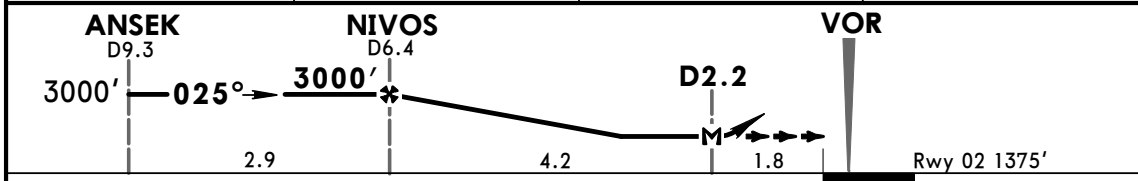
**JEPESEN** CAT A, B & C  
 12 AUG 16 (13-1) Eff 18 Aug

TACNA, PERU  
 VOR Z Rwy 02

|  |                                  |   |                                |                                    |              |
|--|----------------------------------|---|--------------------------------|------------------------------------|--------------|
| *TACNA Tower (APP)<br><b>118.4</b>   |                                  |   |                                | *TACNA Radio (FIS)<br><b>126.9</b> |              |
| VOR<br>TCA<br><b>116.8</b>   | Final<br>Apch Crs<br><b>025°</b> | Minimum Alt<br><b>NIVOS</b><br><b>3000'</b> (1625') | MDA(H)<br>Refer to<br>Minimums | Apt Elev 1538'                     | Rwy 02 1375' |
| <b>MISSED APCH: Immediate climbing LEFT turn to intercept TCA VOR R-242</b><br>and proceed to D15.0 and hold at minimum 3000'.<br>Max IAS CAT B: 150 Kts<br>CAT C: 160 Kts |                                  |   |                                |                                    |              |
| Alt Set: hPa   |                                  | Rwy Elev: 49 hPa                                    | Trans level: By ATC            | Trans alt: 5000'                   |              |
| 1. DME required.   |                                  |   |                                |                                    |              |



|          |       |       |       |
|----------|-------|-------|-------|
| TCA DME  | 5.3   | 4.3   | 3.3   |
| ALTITUDE | 2700' | 2435' | 2170' |



|                  |      |     |     |     |     |     |             |                              |       |
|------------------|------|-----|-----|-----|-----|-----|-------------|------------------------------|-------|
| Gnd speed-Kts    | 70   | 90  | 100 | 120 | 140 | 160 | ALS<br>PAPI | TCA<br><b>116.8</b><br>R-242 | D15.0 |
| Descent Gradient | 4.4% | 312 | 401 | 446 | 535 | 624 |             |                              |       |
| MAP at D2.2      |      |     |     |     |     |     |             | LT                           |       |

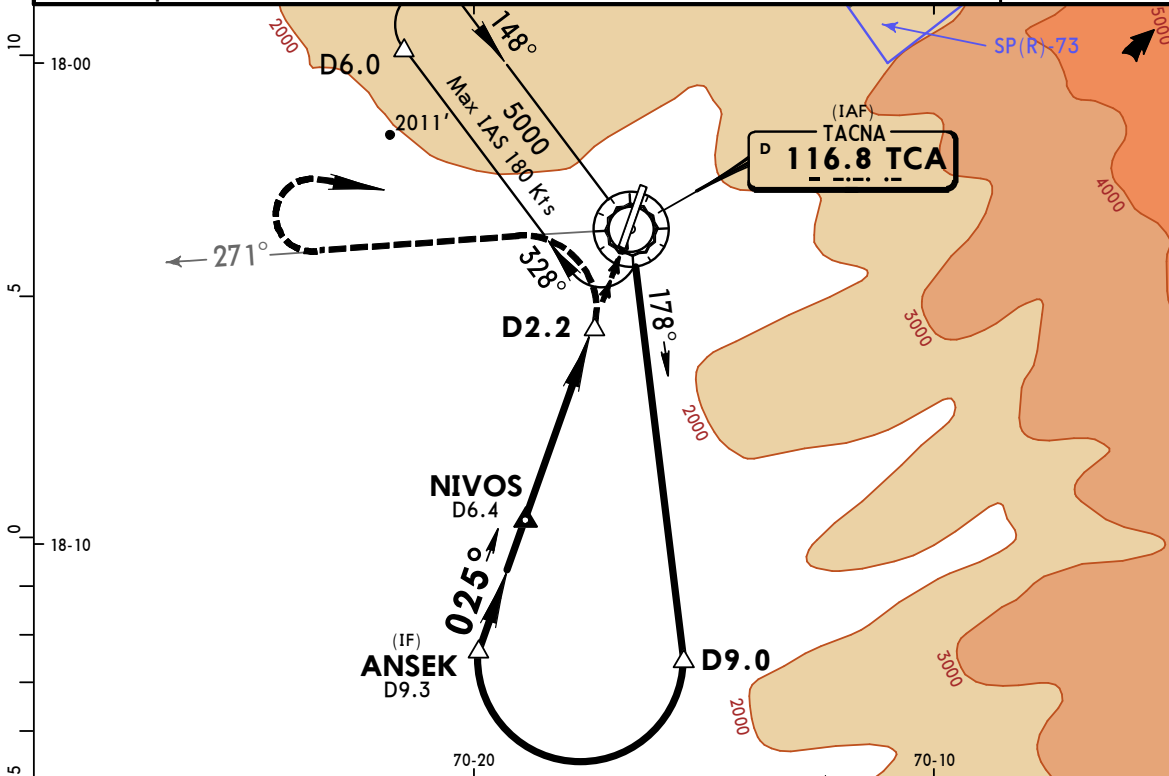
|                                  |                |  |  |                                |  |  |     |
|----------------------------------|----------------|--|--|--------------------------------|--|--|-----|
| STRAIGHT-IN LANDING RWY 02       |                |  |  | CIRCLE-TO-LAND                 |  |  |     |
| A,B: <b>2100'</b> (725')         |                |  |  | Not Authorized West of Airport |  |  |     |
| MDA(H)<br>C: <b>2200'</b> (825') |                |  |  | MDA(H)                         |  |  |     |
| ALS out                          |                |  |  | Max Kts                        |  |  |     |
| A                                | 3.0 km         |  |  | 3100' (1562') -3.6 km          |  |  | 100 |
| B                                | 3.6 km         |  |  |                                |  |  | 135 |
| C                                | NOT APPLICABLE |  |  |                                |  |  | 180 |
| D                                | NOT APPLICABLE |  |  |                                |  |  | D   |

SPTN/TCQ  
 COLONEL CARLOS  
 CIRIANI SANTA ROSA INTL

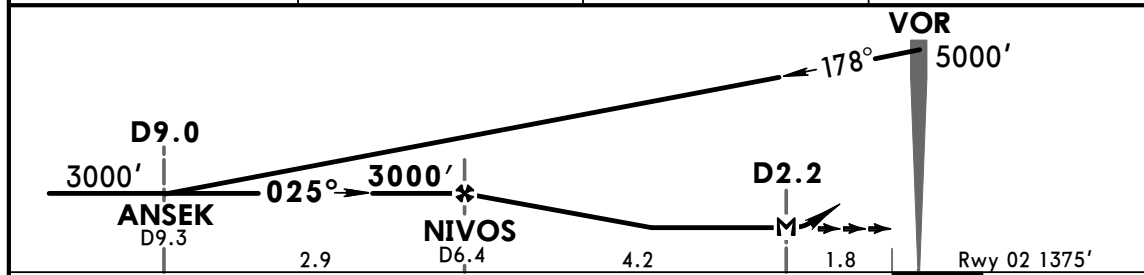
JEPPESEN CAT A, B & C  
 12 AUG 16 (13-2) Eff 18 Aug

TACNA, PERU  
 VOR Y Rwy 02

|   |                                  |  |                                    |                |              |
|---|----------------------------------|--|------------------------------------|----------------|--------------|
| *TACNA Tower (APP)<br><b>118.4</b>  |                                  |  | *TACNA Radio (FIS)<br><b>126.9</b> |                |              |
| VOR<br>TCA<br><b>116.8</b>  | Final<br>Apch Crs<br><b>025°</b> | Minimum Alt<br><b>NIVOS</b><br>3000' (1625') | MDA(H)<br>Refer to<br>Minimums     | Apt Elev 1538' | Rwy 02 1375' |
| <b>MISSED APCH:</b> Follow TCA VOR R-271. At 3000' turn <b>RIGHT</b> to TCA VOR<br>hold at minimum 5000'.<br>Max IAS CAT B: 150 Kts<br>CAT C: 160 Kts |                                  |  |                                    |                |              |
| Alt Set: hPa  | Rwy Elev: 49 hPa                 | Trans level: By ATC                          | Trans alt: 5000'                   |                |              |
| <b>1. DME required.</b>   |                                  |  |                                    |                | MSA TCA VOR  |



|          |       |       |       |
|----------|-------|-------|-------|
| TCA DME  | 5.3   | 4.3   | 3.3   |
| ALTITUDE | 2700' | 2435' | 2170' |



|                  |      |     |     |     |     |     |  |     |
|------------------|------|-----|-----|-----|-----|-----|--|-----|
| Gnd speed-Kts    | 70   | 90  | 100 | 120 | 140 | 160 | ALS<br>PAPI<br>LT<br>TCA<br><b>116.8</b><br><b>R-271</b> |     |
| Descent Gradient | 4.4% | 312 | 401 | 446 | 535 | 624 |  | 713 |
| MAP at D2.2      |      |     |     |     |     |     |  |     |

|                               |                |  |                                |                       |  |
|-------------------------------|----------------|--|--------------------------------|-----------------------|--|
| STRAIGHT-IN LANDING RWY 02    |                |  | CIRCLE-TO-LAND                 |                       |  |
| A,B: <b>2100'</b> (725')      |                |  | Not Authorized West of Airport |                       |  |
| MDA(H) C: <b>2200'</b> (825') |                |  | MDA(H)                         |                       |  |
|                               | ALS out        |  | Max                            |                       |  |
| A                             | 3.0 km         |  | 100                            | 3100' (1562') -3.6 km |  |
| B                             | 3.6 km         |  | 135                            |                       |  |
| C                             | NOT APPLICABLE |  | 180                            |                       |  |
| D                             | NOT APPLICABLE |  | D                              | NOT APPLICABLE        |  |

PANS OPS