



When to descend without TOD indication

As most are aware in the Airbuses **T/C (Top of Climb)** **TOD (Top of Decent)** are both indicated with arrows.



Indicates T/C (Top of Climb)



Indicates TOD (Top of Decent)

Unfortunately, currently in the A32nx mod this is not shown, so how do you know when to start descending?

Here is a quick but a little rough way to work it out but should have you landing comfortably.

Follow the Example below:

Current Cruise Altitude is: 38,000ft, so we multiply the Altitude x 3 = **38 x 3 = 114 + 10 = 124Nm** (We add 10nm for the slowing down), so on the MCDU when it shows 114nm from runway you should start your decent. Why do we do x3 this is compared to level we are doing 3-degree angle of decent. To get the decent speed we take the ground speed and divide that x 2 - I.E. **G/S= 420 Divide x 2 = 210**, so then to get 3 degree decent we do **210 x 10 = 2,100 FPM (Feet per minute)**.

SEE IMAGES BELOW:



Wind Speed
348 Degrees / 33 Knotts

GS: Indicates Ground Speed

So, in short to get distance for TOD cruise altitude is 38,000 = $38 \times 3 = 114 + 10 = 114\text{nm}$
from landing is 114 nm is TOD, remember to allow for slowing down, tail & head winds.

Rate of Decent is $G/S = 420$ divide by 2 = 210, then $210 \times 10 = 2,100$ ft per minuet

Decent speed / Rate



Decent Rate

Initially you will be faster as you begin the decent, but as your speed reduces your rate of decent will also become slower.