



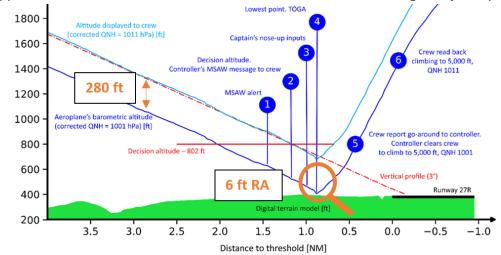


Serious incident to the Airbus A320 registered 9H-EMU operated by Airhub Airlines on 23/05/2022 on approach to Paris-Charles de Gaulle airport The summary below focuses on **flight crew operational procedures**.

Transmission of incorrect altimeter setting (QNH) by air traffic controller, near-collision with ground during satellite approach procedure with barometric vertical guidance

SCENARIO

- Ongoing rain shower. No crew visual reference. **QNH 1001**. ILS out of service \rightarrow RNP baro-VNAV
- Flight NSZ 4311 cleared by ATCO to descend (first altitude below the transition level) with QNH 1011
- o No check of QNH with another source (not required by airline or manufacturer SOP)
- Flight NSZ 4311 cleared a second time by ATCO to descend with QNH 1011 and cleared for RNP approach
- Flight NSZ 4311 transferred to TWR, cleared to land by ATCO
- Aircraft around 280 ft below the published vertical profile | Not detected by crew / ATCO
- Crew initiated a go-around at minima because of no visual reference at 52 ft RA
- Lowest point during the manoeuvre : 6 ft RA. No TAWS alert. Near-CFIT
- Second approach similar, but with visual references and correction of the flight trajectory



CONTRIBUTING FACTORS

To the carrying out of a barometric approach with an incorrect altimeter setting

- Human error in QNH communication, the probability of which can never be reduced to zero
- SOP for crew and ATCO not very robust in detecting or recovering from QNH error
- Inherent limitations of baro-VNAV function which is QNH dependent

OPS SAFETY LESSONS

@Pilots: importance of QNH crosscheck against another source

- o QNH preset during approach preparation
- o Ineffective altitude-distance crosschecks

@Operations managers: importance of reinforcing the baro-VNAV specificities

- o Why not explore availability of "Altimeter Monitor" function on the fleet? At least a TAWS update
- Why not explore implementation of a Flight Data Monitoring request for QNH error?
- Why not explore availability of LPV capabilities on the fleet?
 For detailed information please view the <u>full report</u>

