

## **RNAV Procedures based on DME/DME & VOR/DME.**

Operators should note P-RNAV Operational Approval compliant with TGL10 permits the use of RNAV equipment using position sensor inputs singularly or collectively from:

- DME/DME
- VOR/DME (Co-located)
- GNSS
- INS or IRS with suitable updating

Charts describing standard instrument arrivals (STARs) or standard instrument departures (SIDs) annotated as RNAV (GNSS) or RNAV (DME/DME) or RNAV (VOR/DME) or a combination will require P-RNAV Operational Approval.

An aircraft whose approval is based on Multi Sensor, inclusive of GNSS, can execute DME/DME & GNSS & VOR/DME based Procedures.

Aircraft having approval based on DME/DME or VOR/DME cannot execute an RNAV Procedure that is based on GNSS only, annotated on the chart as RNAV (GNSS).

The Operating crew should be aware of the sensor input on which the aircraft's P-RNAV approval is based. Notes describing the basis of the approval should be contained in the aircraft flying manual and/or route briefing material for the particular destination or other documentation available to crews.

**For example in the event the STAR/SID is based on GNSS but aircraft P-RNAV approval is based on DME/DME or VOR/DME the crew should not attempt to execute such a procedure.**

**If the RNAV STAR/SID procedure, which has been assigned, cannot be accepted by the pilot for reasons of either equipment or circumstances associated with its operational use, the pilot shall inform ATC immediately by the phrase**

**Unable (designator) arrival/departure due RNAV Type.**

**Example: Unable KODAP 2A arrival due RNAV Type.**

As a further precaution Operators may wish to inhibit Procedures based on RNAV (GNSS) from the Navigation Database if P-RNAV approval is based on DME/DME & VOR/DME.