



Department of Civil Aviation – Sri Lanka

AVIATION SAFETY NOTICE

- 01. Subject** :- Development of a regulatory frame work for implementation of GPS for the use in Sri Lanka airspace as an navigational / approach aid.
- 02. Compliance** :- MANDATORY
- 03. Status** :- New
- 04. Issue No** :- 01
- 05. Date of Issue** :- 20 – 03 – 2002
- 06. Objective** :- 1) To formally approve the use of GPS as a navigational / approach aid in Sri Lanka airspace.
- 2) To issue instructions to all uses of GPS for strict compliance as follows:
- a) GPS receivers are approved for use in SRI LANKA airspace for en-route, terminal, and non precision approach operations, provided the following conditions are complied with.
 - b) It is mandatory that all commercial aircraft engaged in Domestic Aviation is equipped with a GPS receiver and two independent VOR systems certified to be used en route, in terminal and non precision approaches.
 - c) GPS receivers may be used as the primary navigation system in aircraft, to fly GPS routes and approaches, but it shall not be used as the sole means of navigation. An alternative navigation system must be carried, and if the destination airport does not have a ground based navigation aid, an alternate aerodrome with a ground based navigation aid must be used.
 - d) The only receivers approved for IFR operations are those certified to FAA TSO C-129 standard. This TSO provides for two levels of certification. Those certified for en route and terminal operations only, shall not be used for non-precision approaches. Receivers certified for non-precision approaches may be used for all operations.



Department of Civil Aviation – Sri Lanka

AVIATION SAFETY NOTICE

Receivers that are not certified to TSO-C129 may not be used for IFR operations. They may be used on VFR operation, but pilots are cautioned that such receivers do not have a satellite integrity monitoring function, and a faulty satellite may cause the receiver to give false information.

- e) The GPS system fitted on the aircraft shall
- I Be included in the type certificate issued by the Regulatory Authority of the Country of manufacture.
 - OR
 - II Installed as a modification approved by a regulatory Authority acceptable to Director General of Civil Aviation, Sri Lanka and the modification validated by the Director General.
- f) GPS receivers may be used to fly en route and terminal procedures provided the chart being used is drawn to the WGS-84 chart datum.
- All published GPS non precision approaches should be designed to the WGS-84 chart datum.
- g) All pilots shall successfully complete a training programme acceptable to DGCA before being allowed to conduct VFR / IFR GPS navigation and GPS letdowns.
- All pilots shall successfully complete a recurrent training programme once a year as directed by DGCA.

7. **Background** :- It is necessary to augment the existing navigational facilities with GPS to successfully revive Domestic Civil Aviation.

International Civil Aviation will also benefit with the use of GPS.

In accepting GPS as a navigation system, Department of Civil Aviation Sri Lanka needs to formally approve it as a navigation / approach aid.

The rules governing the use of GPS needs to be specified to prevent Operators using unsuitable receivers and developing unacceptable procedures in the use of the GPS.

It is the intention of this ASN to promulgate the acceptance of GPS and to provide clear guidance to operators in the use of GPS.

8. **Recipients** :-
- a. All Foreign Airline Operators to Sri Lanka.
 - b. All AOC holders from Department of Civil Aviation.
 - c. CATC (Please issue a AIC).
 - d. Subscribers.
 - d. Operators under certification.



Department of Civil Aviation – Sri Lanka
AVIATION SAFETY NOTICE

9. Effective Date :- With immediate effect

10. Validity Period :- Permanent

11. Contact Person :- For more details about this ASN please contact Mr .H. M. C. Nimalsiri, Assistant Director (Operations)(T'phone:-431324), Department of Civil Aviation, 64 Galle Road, Colombo 03.

12. Availability :- A copy of this document is available free of charge at the Communication Centre, Department of Civil Aviation, 64, Galle Road Colombo 3. (e-mail : sldgca@slt.lk)

13. Checklist :- Not Applicable

14. Action required :-

1. Each operator is required to include contents of this ASN in the Flight Operations Manual as applicable and confirm to the Department of Civil Aviation in writing within seven working days.
2. For strict compliance by all recipient of this ASN

Comments

Comments (if any) on the contents of any ASN may be forwarded to the Contact Person. However the ASN will come into effect on the date shown in the ASN notwithstanding any objection or comment made by any party unless and until an amending ASN is issued by this Directorate.

Lal Liyanaarachchi,
Director – General of Civil Aviation.